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January 28, 1994

FRRI CITE FOURTHANCE

FEDERAL EXPRESS

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1940-1992

JERRY FITZGERALD ENGLISH

JOHN W. COOPER

Mr. Lance R. Richman, P.G. Emergency & Remedial Response Division U. S. Environmental Protection Agency 26 Federal Plaza, Room 13-100 New York, NY 10278

Re - Request For Information
Diamond Alkali Superfund Site,
Passaic River Study Area

Dear Mr. Richman:

This letter refers to the Request for Information that was sent to Alliance Chemical, Inc. ("Alliance") dated December 16, 1993 with respect to the Diamond Alkali Superfund Site, Passaic River Study. Alliance has received an extension of time until January 28, 1994 to respond to the Request for Information.

Enclosed are the responses of Alliance. Alliance reserves the right to supplement its answers if additional information becomes available.

Please be advised that Roger Huth is no longer with the company and Richard E. Braun, Vice President, Operations, should be the contact for the company. Inquiries and correspondence from attorneys should be directed to this firm.

fred A. Llayan

FLP/bjw Enclosures

cc: Richard E. Braun

Patricia Hick (w.o. encl.)

841250001

RESPONSE OF ALLIANCE CHEMICAL, INC. TO REQUEST FOR INFORMATION

Re: EPA Request for Information Dated December 16, 1993 Under 42 U.S.C. §9801 et seq. Diamond Alkali Superfund Site, Passaic River Study

General Objection

Alliance Chemical, Inc. ("Alliance") is a wholly-owned subsidiary of Pfister Chemical, Inc. ("Pfister"). In 1965, Pfister acquired the stock of Alliance Chemical Co., Alliance Color & Chemical Co. and Plum Point Realty Corp., which owned and/or operated the site located at 309-327 Avenue P in Newark, NJ (the "Acquisition"). In June 1968, Alliance Chemical Co. and Plum Point Realty were merged into Alliance Color and Chemical and the name was changed to Alliance Chemical, Inc.

Alliance can and will respond to the questionnaire relating to the site located at 33 Avenue P in Newark, New Jersey for the time period subsequent to the Acquisition in 1965. Although Alliance will provide answers to the questionnaire with respect to information in its possession prior to that time period, Alliance cannot answer and is not answering on behalf of any of the predecessor corporations.

EPA describes the chemicals 2-chloro-1, 4-diethoxy-5-nitro benzene and 5-chloro-2, 4-dimetoxyaniline as hazardous substances. These substances are not defined as hazardous substances pursuant to §101.14 of CERCLA, 42 U.S.C. §9601 (14),

or §1004 of RCRA, 42 U.S.C. §6903, and therefore Alliance objects to their characterization by EPA as hazardous substances.

Nevertheless, where EPA has requested information specifically with respect to those compounds, Alliance is providing information on the basis that these substances are not hazardous substances.

OUESTIONS

1) During what years did your company operate at the facility designated above?

1965-Present.

2) Does your company have a permit or permits issued pursuant to the Resource Conservation and Recovery Act, 42 U.S.C. §6901 et seq. If your company has an EPA Identification Number, state it in your answer to this question.

Alliance's EPA ID Number is: NJD 045 794 791.

3) Did your company receive, utilize, manufacture, discharge, release or dispose of any materials containing the following substances:

Subject to the General Objection, Alliance responds as follows:

2,3,7,8 tetrachlorodibenzo-p-dioxin

or other dioxin compounds	<u></u>	
2-chloro-1,4-diethoxy-5-nitro benzene		_yes_
5-chloro-2,4-dimethoxyaniline		yes

2-chloro-1,4-diethoxy-5-nitro benzene was manufactured at Alliance from 1965 to 1985.

5-chloro-2,4-dimethoxyaniline was manufactured at Alliance from 1976 until 1987.

4a) Provide a description of the manufacturing processes for which all hazardous substances, including, but not limited to, the substances listed in response to item (3), were a product or

byproduct.

Alliance objects to this question as overly broad and unduly burdensome and seeks information which is not relevant. There may be some hazardous substances generated as by-products which are unknown.

Subject to these objections and the General Objection:

2-Chloro-1,4-diethoxy-5-nitro benzene, which is neither a

CERCLA hazardous substance nor a RCRA hazardous waste, was

manufactured by nitrating 2-chloro-1,4-diethoxy benzene in an

aqueous system with 67% nitric acid. The product was isolated by

filtration from the aqueous system and further reacted with

morpholine to make a 2,5-diethoxy-4-morpholino nitro benzenene.

The aqueous filtrate from the nitration was neutralized and

combined with other process effluent prior to discharge. Both

starting material and product are water insoluble.

5-Chloro-2,4-dimethoxyaniline, which is neither a CERCLA hazardous substance nor a RCRA hazardous waste, was manufactured from 5-nitro-1,2,4-trichlorobenzene. First, 5-chloro-2,4-dimethoxy nitrobenzene was made by the addition of a mixture of sodium hydroxide and methanol to 5-nitro-1,2,4-trichlorobenzene in methanol at reflux. The methanol was then distilled off and recovered for reuse and a mixture of sodium sulfide and sulfur (polysulfide) was added at reflux to reduce the nitro compound to the final product which, after cooling, was isolated by filtration from the aqueous reaction mixture. The filtrate was neutralized and discharged to the Passaic Valley Sewerage

Commission ("PVSC"), a POTW, along with other process effluent. The product was purified by dissolving in aqueous hydrochloric acid adding carbon for decolorization, clarifying and precipitating with caustic to a neutral pH. The filtrate was discharged to our effluent system which goes to PVSC. The carbon clarification cakes were disposed of in a chemically secure landfill with other clarification press cakes.

2-Methoxy-5-nitro benzenamine was manufactured from 1965 to around 1980 in the same manner as 5-chloro-2,4-dimethoxyaniline except the starting material was 2,4-dimitro chlorobenzene.

3,3'-Dimethoxy benzidine was manufactured from 1965 to around 1970 starting with o-nitro anisole. An alkaline zinc reduction to the hydrazo compound followed by a benzidine rearrangement produced the desired compound.

3,3'-Dimethyl benzidine was manufactured from 1965 to around 1970 starting with o-nitro toluene. An alkaline zinc reduction to the hydrazo compound followed by a benzidine rearrangement produced the desired compound.

Zinc compounds (manufactured from 1965-1970). Alliance manufactures light-sensitive diazo compounds which are stabilized as the zinc salt. 2-Chloro-1,4-diethoxy-5-nitro benzene described above is condensed with morpholine to yield 2,5-diethoxy-4-morpholino nitro benzene. This compound is then reduced in hydrochloric acid to the amine with zinc dust. The amine is then diazotized with sodium nitrite and the zinc stabilized diazo compound precipitated. The final product is

2,5-diethoxy-4-(4-morpholinyl)-benzenediazonium tetrachlorozincate (2-)(2:1). The dibutoxy compound is manufactured in the same way.

Zinc Carbonate and zinc hydroxide are currently produced as part of Alliance's zinc recovery process where the insoluble zinc compounds are precipitated from the effluent at an alkaline pH with caustic soda or soda ash.

Upon information and belief, some of these compounds may have been manufactured at this facility before Alliance acquired it.

b) During what parts of the manufacturing processes identified in the response to items (4)(a), above, were hazardous substances, including, but not limited to, the substances listed in item (3), generated? Describe the chemical composition of these hazardous substances. For each process, what amount of hazardous substances was generated per volume of finished product? Were these hazardous wastes combined with wastes from other processes? If so, wastes from what processes?

Subject to the General Objection, all of the products listed in 4a) above except for the zinc carbonate, zinc hydroxide and 2-chloro-1,4-diethoxy-5-nitro benzene were purified by dissolving the product in acid, treating the solution with activated carbon to remove color and reprecipitating the product. These carbon clarification press cakes which contained small amounts of product were collected and disposed of as solid waste. In addition, the processes which produced the 3,3'-dimethoxy benzidine and 3,3'-dimethyl benzidine produced a zinc oxide slurry as a by-product from the alkaline zinc reduction. This zinc oxide slurry was recovered and sent out to be recycled.

All carbon clarification press cakes were combined prior to

1988. After 1988, the light-sensitive diazo carbon clarification cakes were kept separate and disposed of as hazardous waste because they contained borderline quantities of cadmium which came from impurities in the zinc which was used for reduction.

See also responses to Questions 7a and 10.

5) Describe the methods of collection, storage, treatment, and disposal of all hazardous substances, including, but not limited to, the substances listed in response to item (3). Include information on the following:

Alliance Chemical objects to this question as overly broad and unduly burdensome and to the extent it requests information with respect to off-site storage, transportation and disposal, the request is not relevant. Subject to these objections and the General Objection, Alliance responds as follows:

a) If hazardous substances were taken off-site by a hauler or transporter, provide the names and addresses of the waste haulers and the disposal site locations.

From 1970 until 1977 all solid waste was hauled off-site by:

D&J Trucking 310-336 Avenue (P Newark, NJ 07105

From 1978 until the present, hazardous waste has been manifested and disposed of pursuant to applicable hazardous waste regulations. See Annual Hazardous Waste Reports and manifests attached.

From 1978 until the present all RCRA non-hazardous clarification press cakes were disposed of at chemically secure landfills by various haulers (see manifests and bills of lading). Alliance discontinued using manifests at the request of NJDEPE

for non-hazardous wastes. Haulers used were:

R&R Sanitation Service
Randolph, NJ 07869
to SCA Chemical Services
Pinewood, SC

Wayne Disposal 49350 N. Service Drive Belleville, MI 48111

Waste Conversion 2869 Sandstone Drive Hatfield, PA 19440

b) Describe all storage practices employed by your company with respect to all hazardous substances from the time operations commenced until the present. Include all on-site and offsite storage activities.

Alliance objects to this question to the extent it requests information with respect to off-site storage as irrelevent.

Subject to this objection and the General Objection, Alliance responds as follows:

Most of the hazardous substances handled at Alliance over the years are raw materials. All hazardous substances are handled in accordance with applicable federal and state regulations. Bulk items such as solvents, acids and alkalies are stored in diked tanks. Drum and bagged raw materials are stored in the warehouse or under an outside shed. Products that are classified as hazardous materials are stored in the warehouse, or in a cold room in the warehouse, or in a refrigerated container. Hazardous clarification press cakes or waste oil are stored in designated staging areas in the warehouse. From 1965-1970, a byproduct stream of zinc oxide-water slurry recovered from the 3,3'-dimethoxy benzidine and 3,3'-dimethyl benzidine process was stored in 2 areas prior to shipping out for recycling. The first area was three agitated tanks adjacent to the manufacturing area and the second was a concrete lined above ground storage bin.

6a) For process waste waters generated at the facility which contained any hazardous substances, including, but not limited to, the substances listed in response to item (3), did the waste stream connect to a sanitary sewer and if so, during what years? Were they treated before being discharged to the sanitary sewer and if so, how? If the waste waters were not discharged to the sanitary sewer, where did they discharge and during what years?

Subject to the General Objection, Alliance responds as follows:

The process effluent waters discharged from the facility were not hazardous under RCRA because they were not a characteristic waste, nor did they come from a listed process; nor were there listed materials dumped into the effluent.

Therefore, the effluent stream was not hazardous. The process effluent was connected to the PVSC sanitary sewer system from 1970 on. From 1965 to 1970, the process effluent discharged to a drainage ditch (Plum Creek) which flowed to the Passaic River.

Prior to discharge the effluent was neutralized.

b) For floor drains or other disposal drains at the facility, did the waste stream connect to a sanitary sewer and if so, during what years? Were they treated before being discharged to the sanitary sewers and if so, how? If the floor drains or other disposal drains were not discharged to the sanitary sewer, where did they discharge and during what years.

Floor drains were combined with process effluent and treated as in a) above.

c) Did any storm sewers, catch basins or lagoons exist at any time at the facility and if so during what years? If catch basins or lagoons existed, were they lined or unlined? Where was the discharge of any of these structures released and during what years? Was this discharge treated before its release and if so, how and during what years?

Since Alliance has operated the facility, storm sewers and catch basins have always existed at the facility. Most of the discharges are combined with the process effluent and treated as in a) above. An unlined lagoon existed from 1965 until 1979 and was part of the effluent system which was neutralized prior to discharge. From 1965 until 1970, as part of the effluent system, the lagoon discharged to the drainage ditch as explained in a) above. From 1970 until 1979 the lagoon discharged to the sanitary sewer system (PVSC).

d) Please supply diagrams of any waste water collection or disposal systems on the property.

See attached diagrams showing the lagoon discharging to the drainage ditch prior to 1970, and to PVSC from 1970 until 1979, and the present day system.

7a) For each hazardous substance, including, but not limited to, the substances listed in item (3), identified in the response to item (4), above, provide the total amount generated during the operation of the facility on an annual basis.

Alliance objects to this question as vague, overly broad and unduly burdensome. There may be some hazardous substances generated as by-products which are unknown. Alliance further objects to the characterization of its products as hazardous substances generated during operation of the facility.

Subject to these objections and the General Objection,
Alliance responds as follows: (All numbers approximate on an
average annual basis)

2-Chloro-1,4-diethoxy-5-nitro k	enzene	(product)	
			130,000 lbs/yr
5-Chloro-2,4-dimethoxyaniline		(product)	
2-Methoxy-5-nitro benzenamine	`	(product)	15,000 lbs/yr
z-methoxy-5-nitro benzenamine			80,000 lbs/yr
3,3'-Dimethoxy benzidine		(product)	• • •
, , , , , , , , , , , , , , , , , , , ,			200,000 lbs/yr
3,3'-Dimethyl benzidine		(product)	
			20,000 lbs/yr
Zinc Compounds (light-sensitiv		(product)	
Gina C 1- (D. at C.) C.)			105,000 lbs/yr
Zinc Compounds (Fast Color Salt		(product)	
		′ 65- ′ 87	160,000 lbs/yr
Zinc Carbonate-zinc hydroxide	1992-on	25	tons/year
Zinc oxide slurry	1965-197	1 120	tons/year
Non-hazardous press cakes	1965-on	50	tons/year
Hazardous press cakes	1989-199	1 125	tons/year
Waste oil		5-10	drums/year

See attached documents.

b) Was any hazardous substance, including, but not limited to, the substances listed in response to item (3), identified in responses to item (4), above, disposed of in the Passaic River or discharged to the Passaic River? If yes, estimate the amount of material discharged to or disposed of in the Passaic River and the frequency with which this discharge or disposal occurred.

During the years 1965-1970, when Alliance's effluent, after

being neutralized, was discharged to the drainage ditch (Plum Creek) which leads to the Passaic River, there were occasional leaks and excursions in pH which resulted in acidic effluent being discharged. The amount and frequency of material discharged is unknown. After 1970, all effluent was discharged to the POTW (PVSC). See attached documentation.

8) Please identify any leaks or spills that occurred at the facility during which or as a result of which any hazardous substances, including, but not limited to, the substances listed in response to item (3), was released on the property of the facility or discharged to the Passaic River. Provide any documents or information relating to these incidents.

Subject to the General Objection, Alliance responds as follows:

During the period 1966 to 1970, there were some minor discharges and pH excursions in the neutralized effluent going to the drainage ditch (Plum Creek) which leads to the Passaic River. See the accompanying documentation. In 1970, when Alliance hooked up to PVSC, there were no further discharges of effluent to the drainage ditch.

9) Provide the date of any leaks or spills of any hazardous substances, including, but not limited to, the substances listed in response to item (3), on the property or into the waste water discharge system at the facility. Provide details of the ultimate disposal of any contaminated materials.

Subject to the General Objection, Alliance responds as follows:

In 1987, there was a small spill of No. 4 fuel oil on to the ground by the fuel oil tank. The contaminated earth was removed

and disposed of as hazardous waste. See accompanying documentation.

10) Provide a copy of each document which relates to the generation, purchase, use, handling, hauling, and/or disposal of all hazardous substances, including, but not limited to, the substances listed in response to item (3). If you are unable to provide a copy of any document, then identify the document by describing the nature of the document (e.g. letter, file memo, invoice, inventory form, billing record, hazardous waste manifest, etc.). Describe the relevant information contained therein. Identify by name and job title the person who prepared the document. If the document is not readily available, state where it is stored, maintained, or why it is unavailable.

Alliance objects to this question as overly broad and unduly burdensome and to the extent it requests information with respect to off-site handling, transportation and disposal, the request is not relevant. Subject to these objections and the General Objection, Alliance responds as follows:

See accompanying documents.

11) Provide all other documents pertaining to the results of any analyses of groundwater, surface water, ambient air, and any other environmental media performed at the facility.

Alliance objects to this question as overly broad and unduly burdensome. Subject to these objections and the General Objection, Alliance responds as follows:

Alliance has entered into a Memorandum of Agreement ("MOA") with the New Jersey Department of Environmental Protection and Energy to perform a remedial investigation at its facility. No analytical information has yet been obtained under the MOA.

See also attached documentation.

12) Provide the names of all parties who owned or operated the facility during the period from 1940 through the present. Describe the relationship, if any, of each of those parties with your company.

Upon information and belief, Alliance Chemical Co. was founded in 1947, and the company was owned by Harold Rose and Harold Coward. In 1965 Alliance Chemical Co. was acquired by Pfister Chemical, Inc. located in Ridgefield, NJ 07657.

Alliance Chemical, Inc. is a wholly-owned subsidiary of Pfister Chemical, Inc. See question 13.

13) Answer the following questions regarding your business or company. In identifying a company that no longer exists, provide all the information requested, except for the agent for service of process. If your company did business under more than one name, list each name.

Corporate matters have been held to be outside the statutory authorization set forth in CERCLA or RCRA. See United States v. Charles George Trucking Co., Inc., 624 F. Supp. 1185 (D. Mass. 1986), aff'd 823 F.2d 685 (1st Cir. 1987). Accordingly, Alliance objects to this question. Subject to this objection and the General Objection, Alliance responds as follows:

- a) State the legal name of your company.
 Alliance Chemical, Inc.
- b) State the name and address of the president or the chairman of the board, or other presiding officers of your company.

Alan R. Bendelius, President Alliance Chemical, Inc. Linden Avenue Ridgefield, NJ

c) Identify the state of incorporation of your company and your company's agent for service of process in the state of incorporation and in New Jersey State of Incorporation: New Jersey Agent for Service of Process: Frank Spill Alliance Chemical, Inc. Linden Avenue Ridgefield, NJ 07657

d) Provide a copy of your company's "Certificate of Incorporation" and any amendments thereto.

Alliance has been unable to locate a copy of its Certificate of Incorporation.

e) If your company is a subsidiary or affiliate of another company, or has subsidiaries, or is a successor to another company, identify these related companies. For each related company, describe the relationship to your company; indicate the date and manner in which each relationship was established.

Alliance Chemical, Inc. is a wholly owned subsidiary of

Pfister Chemical, inc. P.O. Box 15 Ridgefield, NJ 07657

Pfister acquired Alliance in 1965.

f) Identify any predecessor organization and the dates that such company became part of your company.

Alliance Chemical Co.
Alliance Color & Chemical Co.
Plum Point Realty Corp.

The stock of the above three companies was acquired by Pfister Chemical, Inc. in 1965.

g) Identify any other companies which were acquired by your company or merged with your company.

In June 1968, Alliance Chemical Co. and Plum Point Realty were merged into Alliance Color and Chemical, Co. and the name was changed to Alliance Chemical, Inc.

h) Identify the date of incorporation, state of incorporation, agents for service of process in the state of incorporation and New Jersey, and nature of business activity, for each company identified the responses to items (11)(e), (f), and (g), above.

The request with respect to Pfister Chemical is not relevant to the scope of this inquiry. The information with respect to Alliance Chemical Co., Alliance Color & Chemical Co. and Plum Point Realty Corp. is unknown.

i) Identify all previous owners or parent companies, address, and the date change in ownership occurred.

Upon information and belief:

Alliance Chemical Co.
Alliance Color & Chemical Co.
Plum Point Realty Corp.

were previously owned by: Harold Rose and Harold Coward (addresses unknown).

See also answers to Question 13 (f) & (g)

14) Provide the name, address, telephone number, title and occupation of the person(s) answering this "Request for Information" and state whether such person(s) has personal knowledge of the response. In addition, identify each person who assisted in any way in responding to the "Request for Information" and specify the question to which each person assisted in responding.

The following persons have worked together in responding to all questions and have personal knowledge of the responses:

Richard E. Braun Vice-President, Operations Alliance Chemical, Inc. Linden Avenue Ridgefield, NJ 07657 (201) 945-5400

William Henning Plant Manager Alliance Chemical, Inc. 309-327 Avenue P Newark, NJ 07105

CERTIFICATION OF ANSWERS TO REQUEST FOR INFORMATION

State of	of _	New Jersey	
County	of	Bergen	:

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document (response to EPA Request for Information) and all documents submitted herewith, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete, and that all documents submitted herewith are complete and authentic unless otherwise indicated. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I am also aware that my company is under a continuing obligation to supplement its response to EPA's Request for Information if any additional information relevant to the matters addressed in EPA's Request for Information or the company's response thereto should become known or available to the company.

RICHARD E. BRAUN
NAME (print or type)

VICE PRESIDENT OPERATIONS

TITLE (print or type)

SIGNATURE

Sworn to before me this 27 day of January , 19 94

Notary Public

GERALDINE M. STEMPINSKI Notary Public of New Jersey My Commission Expires Jan. 22, 1995

841250017

	SITE NAME .	ALLIANCE CH	EMICAL	1	1992 Hazardous Waste Report
	EPA ID No	NJD04579497	1	E .	xempt Generator Response
,	filing the 199	Hazardous W		thirds on the dotted	ry Generator exemption from line so that NJDEPE's return
		ON ADDRESS	33 Avenue P		07105
	CITY Newa	<u> </u>	STATE NJ	ZIP + 4	· · · · · · · · · · · · · · · · · · ·
(Fold He	ere)				
	MAILING AD	DRESS 33	AVENUE P		
	CITY NEW	ARK	STATE NJ	ZIP +	4 07105
	CONTACT N	AME Pichard	E. Braun	PHONE NUMBER	201 945 5400
	a) In	every single mor	oth during 1992, the	site generated or acc	ing criteria every month: cumulated no more than 100 hazardous waste; and
	kg.	(220 lbs.) of spi	•	contaminated with ha	cumulated no more than 100 zardous waste, acute hazard
	tha		ns of waste oil w		or accumulated no more te numbers X721, X722,
(Fold He	ere) 				

As a Small Quantity Generator, I am not required to report on my hazardous waste activities. I am also aware that if I am not a Small Quantity Generator, N.J.A.C. 7:26-5.4 establishes a base penalty of \$500.00 (not to exceed \$50,000.00) for failing to submit the annual report of manifest activities by March 1, as required by N.J.A.C. 7:26-7.4(g)1.

(signature)

BEFORE COPYING FORM, ENTER:	
SITE NAME ALLIANCE CHEMICAL, INC.	
33 AVENUE P, NEWARK, NJ 07105	1991 Hazardous Waste Report
EPA ID NO. N J D 0 4 5 7 9 4 9 7 1	FORM IDENTIFICATION AND CERTIFICATION
INSTRUCTIONS: Read the detailed instructions beginning on page 6 of t	the 1991 Hazardous Waste Report booklet before completing this form.
SEC. 1 Site name and location address. Complete items A through H. Check to different, enter corrections. It label is absent, enter information. Instruct	•
A EPA ID No. Same as label X or	SSEX
	e site name associated with this EPA ID changed since 1989?
E. Street name and number. If not applicable, enter industrial park, building name or other physical location. Same as label [2]	
F. City, town, village, etc. Same as label Or	G. State Same as laber Same Same Same Same Same Same Same Same
SEC. II Malling address of site. Instruction page 6	
A. is the mailing address the same as the location address? 1 Yes (SKIP TO SEC. 2 No (GO TO BOX B	·
B. Number and street name of mailing address	
C. City, town, village, etc.	D. State E. Zip Code
SEC. III Name, title, and telephone number of the person who should be contained. A Please print Last name Ristname ML B. Title	
	P. OPERATIONS (2,0,1) (9,4,5,-5,4,0,0) Extension []
SEC. IV Enter the Standard Industrial Classification (SIC) Code that describes the services rendered at the site's physical location. Enter more than or activities of the site. Instruction page 7	ne principal products, group of products, produced or distributed, or ne SIC Code only if no one industry description includes the combined
A (2,8,6,5) B. (1,N,A) C.	O. LINA
"I certify under penalty of law that this document and all attachments were system designed to assure that qualified personnel property gather and or persons who manage the system, or those persons directly responsible best of my knowledge and belief, true, accurate and complete. I am awa Resource Conservation and Recovery Act for submitting false information violations."	evaluate the information submitted. Based on my inquiry of the person e for gathering the information, the information submitted is, to the tre that there are significant penalties under Section 3008 of the n, including the possibility of fine and imprisonment for knowing
A Piesse print Last name Richard BRAUN RICHARD	E V.P. OPERATIONS
C. Signature Robard & Brann	D. Date of signature (0, 2, 12, 15, 19, 2, 19, 2, 19, 2) MO. DAY YR.
	Page 1 of 4

Sec. VI - Generator Status	EPA ID NO.	1 1 0 9 4 5 7 9 4 9 7 1
A 1991 Generator status	B. Reason for not generating	
Instruction page 7	Page 9	
(CHECK ONE BOX BELOW)	(CHECK ALL THAT APPLY)	
_	_	
1 FRG/LOG	☐ 1 Never generated	4 Only non-hazardous waste
2 FRG (SKIP TO SEC. VII)	2 Out of business	5 Periodic or occasional generator
3 SOG	3 Only excluded or delisted	6 Waste minimization activity
4 Non generator (CONTINUE TO BOX B)	waste	7 Other (SPECIFY COMMENTS IN BOX BELOW)
Sec. VII - On-Site Waste Management S	Status	
A. Hazardous waste permitted or interim status	B. Hazardous waste permitted or interim	C. Hazardous waste-exempt treatment, disposal, or
storage	status treatment, disposal, or recycling	
Instruction page 10	Page 10	Page 11 1
1 1	1 1	l
	<u> </u>	
Sec. VIII - Waste Minimization Activity du		
A. Did this site begin or expand a source	B. Did this site begin or expand a	C. Did this site systematically investigate opportunities
reduction activity during 1990 or 1991?	recycling activity during 1990 or 1991?	for source reduction or recycling during 1990 or 1991?
Instruction page 11	Page 12	Page 12
		_
忆 1 Yes	L 1 Yes	☐ 1 Yes
□ 2 No	□ 2 No	△ 2 No
D. Did any of the factors listed below delay or limit	this site's ability to initiate new or additiona	al source reduction activities in 1990 or 1991?
Page 12		·
(CHECK YES OR NO FOR EACH ITEM)		
1 1 2 a. Insufficient capital to install ne	w source reduction equipment or impleme	ent new source reduction practices
☐1	on source reduction techniques applicable	to the specific production processes
	mically feasible: cost savings in waste mai	nagement or production will not recover
the capital investment		
☐1 ☐ 2 d. Concern that product quality n ☐1 ☐ 2 e. Technical limitations of the pro	nay decline as a result of source reduction	
1 1 2 e. Technical limitations of the pro	eduction processes	
☐1	plamanted additional reduction done as	at appear to be technically femalish
☐1 ☐ 2 g. Source reduction previously in ☐1 ☐ 2 h. Source reduction previously in	nplemented additional reduction does no nplemented - additional reduction does no	
1 2 i. Source reduction previously in		t appear to be feasible due to permitting requirements
☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐		rappear to be reasone due to berrutting leduitetratits
1	this site's ability to initiate new or additiona	il on-site or off-site <u>recycling</u> activities during 1990 or 1991?
Page 12		
(CHECK YES DR NO FOR EACH ITEM)		
Yes No	Yes No	
☐1 🙀 2 a. Insufficient capital to install ne		
or implement new recycling pr		on-site recycling
1 2 b. Lack of technical information of		
applicable to this site's specific 1 2 c. Recycling is not economically		•
と Li 2 c. Recycling is not economically waste management or produc		
capital investment	tion will not recover the \square_1 \square 2 1.	, , , , , , , , , , , , , , , , , , , ,
☐1 🖾 2 d. Concern that product quality n	nay decline as a result 🔲 1 🎦 2 n	recycling does not appear to be technically feasible n. Recycling previously implemented – additional
of recycling		recycling does not appear to be economically feasible
☐1 ☑ 2 e. Requirements to manifest was	tes inhibit shipments off 🔲 1 🗜 2 n	_ **
site for recycling	_: _	recycling does not appear to be feasible due to
1 2 f. Financial liability provisions in	nibit shipments off site for	permitting requirements
recycling		A
☐ ☐ ☐ 2 g. Technical limitations of produc	•	•
shipments off site for recycling		·
Comments:		
Outside the second of the seco		
		Page 2 of 4

BEFORE COPYING FORM, ENTER:							
SITE NAME ALLIANCE CHEMICAL INC.	ł						
33 AVENUE P, NEWARK, NJ 07105	1.		1991 Hazardous Waste Report				
EPA ID NO. N J D 0 4 5 7 9 4 9 7 1	11	FORM GM	WASTE GENERATION AND MANAGEMENT				
INSTRUCTIONS: Read the detailed instructions beginning on page 13	of the 1991	Hazardous Waste F	leport booklet before completing this form.				
Sec. A. Weste description Carbon presscake containing traces of cadmium instruction Page 18							
B. EPA hazardous waste code	G	C. State hazardous waste o	eode .				
LINA LINA LINA		لـلـا	NA LIINA				
D. SIC code	C	3. Point of measurement Page 17	H. Form code Page 17 B 1 4 0 4 2 2				
J. Reported TRI constituent Page 18 2 3. L		L_ - 2 - - _					
Sec. A Quantity generated in 1990 B. Quantity generated in 1991 Page 18	C. UOM Page	19	D. Did this site do any of the following to this waste: treat on site, dispose on site, recycle on site, or discharge to a sewer/POTW? Page 19 1 Yes (CONTINUE TO SYSTEM 1) 2 sg				
	ON-SITE SYS On-site system Page 19		ity treated, disposed or recycled on sits in 1991				
Sec. A. Was any of this waste shipped off site in 1991? I Yes (CONTINUE TO 8 2 No (SIGP TO SEC. M)	IOX B)						
Site B. EPA ID No. of facility waste was shipped to Page 20 C. System type shipped 20		Off-site availability code Page 21	E. Total quantity shipped in 1991 Page 21				
PAD 085 690 592 M132		<u> </u>	1,2,4,6,0,0				
Site B. EPA ID No. of facility waste was shipped to Page 20 Page 20	ped to D.	Off-site availability code Page 21	E. Total quantity shipped in 1991 Page 21				
		<u> </u>					
1 * · · · 1 · · · · · · · · · · · · · ·	ONTINUE TO I	•					
B. Activity C. Other effects D. Quantity recycled in 1991 due to new a Page 22 Page 23	ctivities E	E. Activity/production inde Page 23	F. 1991 Source reduction quantity Page 24				
W N N N N N N N N N	ا ۱۰	<u> </u>	L 1 1 2 7 0 7 95 . 0				
Comments: Sec. IV. Box B: Reduced amount of p	roduct	manufacture	d				
	. '		Page 3 of 4				

		,	
BEFORE COPYING FORM, ENTER:	4	(
SITE NAME :ALLIANCE CHEM	ICAL INC.		4004 Hamandaya Wast B
33 AVENUE P	NEWARK, NJ 07105		1991 Hazardous Waste Rep
		FORM	OFF-SITE IDENTIFICATIO
EPAID NO. N J D 0 4 5 7	9 4 9 / 1	OI	
INSTRUCTIONS: Read the detailed ins	tructions on the back of this page t	perfore completing this f	orm.
Site A EPA ID No. of off-site installation or transporter	B. Name of off-site installation or transpo	rier	
PIAID B 5 6 9 0 5 9 2	Waste Conversion	Inc.	
C. Handler type (CHECK ALL THAT APPLY)	D. Address of off-site installation		•
Generator	Street 2869 Sandston	e Drive	
☑ Transporter ☑ TSDR	cw <u>Harfield</u>	SIALO PIA	1 2000 11191414101-111
Site A EPA IO No. of off-site installation or transporter	B. Name of off-site Installation or transpo	orter	
		·	
C. Handler type (CHECK ALL THAT APPLY)	D. Address of off-site installation		
☐ Generator ☐ Transporter	Street	······································	·
C) TSOR	city	State []	Zip Code
Site A EPA ID No. of off-site installation or transporter	B. Name of off-site installation or transpo	orter	
C. Handler type (CHECK ALL THAT APPLY)	O. Address of off-site installation		
☐ Generator ☐ Transporter	Street	· · · · · · · · · · · · · · · · · · ·	w.
☐ TSOA	City	State L	Zip Code
Site A EPA ID No. of off-site installation or transporter	B. Name of off-site installation or transpo	rier	f
	D. Address of off-site installation		
C. Handler type (CHECK ALL THAT APPLY)	U. Address of on-site installation		
a, Generator Transporter	Street		Zip Code
□ TSOR	City	State [Code [
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C. Handler type	D. Address of off-site installation		
(CHECK ALL THAT APPLY)		•	·
☐ Transporter	Street	State L	Zip Code
☐ TSDA			
Comments:			
	•		
<u> </u>		. 	Page 4 of

		OFFICIAL USE ONLY
Site Name ATT	IANCE CHEMICAL INC.	Ann. Fee
	AVENUE P, NEWARK, NJ 07105	RA
·		Date
EPA ID No. N J	D 0 4 5 7 9 4 7 9 1	Rec'd By
	1991 FEE VERIFICATION WORKS	SHEET
INSTRUCTIONS	Complete the below fee category information	on. If your site is required to
	attach the check were indicated.	in it your one is required to
		•
	•	
Attach check here	(do not send cash)	
Mat - Daniella Ann	Torono Charact Non Loron	
Make Payable to:	Treasurer State of New Jersey	
Mail Report to:	NJDEPE, Bureau of Revenue	
Transport to.	CN417	
	428 East State Street	
•	Trenton, NJ 08625-0417	
	Attention: Manifest Section	
•		
•	·	
Fee Category	·	
No Fee	This site (company) manifested less than	1.33 tone of
L I No rec	hazardous waste for the calendar year.	1.55 tons of
	nazardous waste for the outside your.	
× \$200.00	This site (company) manifested 1.33 tons	or more of
	hazardous waste but less than 10 tons of	
•	during the calendar year.	
\$300.00	This site (company) manifested 10 tons of	
	hazardous waste but less than 100 tons	of hazardous waste
	during the calendar year.	
F 400 00	This site (commons)	
\$400.00	This site (company) manifested 100 tons	
•	hazardous waste during the calendar yea	u.
<u> </u>	Other, the attached check is for multiple	sites as
	identified on the reverse side of this form	



GENERATOR

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES Bureau of Waste Management

P. O. Box 8550 Harrisburg, PA 17105-8550 FOR SHIPMENT OF HAZARDOUS, INFECTIOUS AND CHEMOTHERAPEUTIC WASTE.

Form approved.

776 72 KC M Expires 9-30-91

-WM-51 REV. 11/89				116/2	1 CC //I	Expense F-30-1	
	rator's US EPA ID No. 5 7 9 4 9 7 1 1//	Manifest ocument No.	2. Page of	is not re-	quired by F		$ egin{array}{c} \end{array} $
WASTE MANIFEST N J D O 4	3/343/1 1/	5 5 2	•	Manifesi Docu	quired by S ment Numb	ber .	
Alliance Chemical	•		P/	4C 391	1652	2	1
33 Avenue P Newark, NJ 07105	•		B. State	Gen. ID	s. j	•	\neg
4. Generator's Phone (201) 344 2344					AME		
5. Transporter 1 Company Name	6. US EPA ID Number	i	C. State	Trans. ID KJ			- 1
Waste Conversion Inc 7. Transporter 2 Company Name	PADO 8 5 6 9 0 5 9 8. US EPA ID Number	, 2		Sporter's Phone		39 822 820	_
	1			Trans. ID	1213/	322 633	~
9. Designated Facility Name and Site Address	10. US EPA ID Number	,	PA-	- 1		1	.
Waste Conversion Inc		Ī	F. Trans	sporter's Phone	().	· · · · · · · · · · · · · · · · · · ·	
2869 Sandstone Drive Batfield, PA 19440	IPAD08569059	3 2		Facility's ID			
INCLIENT IN 15440		1		ity's Phone (2	15) 82	2 8996	
11. US DOT Description (Including Proper Shipping Name	e, Hazerd Class, and ID Number)	12. Contain	Type	Total Quantity	tait Wt/Vel	Waste	No.
* Waste Spent Carbon		 "" 				1/->	
Non DOT Regulated Material			_	3010	其一		/
Activated Carbon Silica Water	KA	001	70	38 80	R	HA	_//
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J. Additional Descriptions for Materials Listed Above		┸	<u></u>	ling Codes for Y	Varia Lini	- 4 4 5 5 7 7 7	
Lab Pack Physical State	Lab Pack Physical State		N. Hara	mig Cooss Jus. 1	TESIOS CISIO		
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b.	a		": h		4	•	
5. Special Handling Instructions and Additional Informati		Rescor	nev F	hone # -	41. 71	15-5-6	\dashv
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				Response (Juide I	% 0.	
		_	_			٠	}
•							- (
16. GENERATOR'S CERTIFICATION: I hereby declar	ere that the contents of this consinument er	a fully and secu	rately dec	sibad shave by			
classified, packed, marked, and labeled and are in all respects	in proper condition for transport by highway	according to app	licable inte	rnational and national	onal governm	nent regulation	z.
If I am a large quantity generator, I certify that I have a pro-	oram in place to reduce the volume and toxic	ity of waste gen	erated to t	ho degrae I have /	Intermined to	. ho	
If I am a large quantity generator, I certify that I have a pro- practicable and that I have selected the practicable method o and the environment; OR, if I am a small quantity generator,	treatment, storage, or disposal currently ava I have made a good faith effort to minimize i	ilable to me whice my waste general	tion and si	es the present and elect the best was	future threat	t to human her	alth al is
available to me and that I can afford. Printed/Typed Name	Signatur		7		MONTH		EAR
(MARIES MIEURI)	Sechel	M	EA CA	<u>n</u>	17	12 19	11 -
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name	Signature			, · · ·	MONTH	044	FAR
CARCITY IN 11:00	12/1	1-CK	N.		MONTH	1 2. 16"	EAR
16. Transporter 2 Acknowledgement of Receipt of Majariats	Signature						$oldsymbol{oldsymbol{oldsymbol{H}}}$
Printed/Typed Name	Signature			•	MONTH	DAY YE	EAR
19. Discrepancy Indication Space	<u> </u>	· · · · · · · · · · · · · · · · · · ·					
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20. Facility Owner or Operator: Certification of receipt o	i hazardous materials covered by this m	anitest except	as noted	in Item 19	 -		—┛゚
Printed/Typed Name	Signature	7					
PAT OWENS					MONTH	DAY YE	EAR

DOCUMENT NUMBER

PAC 3906755

DATE SHIPPED

4/29/91

P. O. Box 8550 Harrisburg, PA 17105-8550

Form approved.
OMB No. 2050-8039
Expires 9-30-81

15633-RC1

A Sure content of Name and Malling Address Alliance Chestical 33 Avenue P Newark, NJ 07105 4. Generator's Phone (201) 344 2344 5. Transporter 1 Company Name 6. US EPA ID Number C. State Trens. ID RUDERSOSOSO PA A R 0 1 3 5 PA Resultative Name and Styl Address Mache Converted Ion Inc. PAD 0 8 5 6 9 0 5 9 2 PA A R 0 1 3 5 PA Resultative Name and Styl Address Mache Converted Ion Inc. PAD 0 8 5 6 9 0 5 9 2 PA A R 0 1 3 5 PA Resultative Name and Styl Address Mache Converted Ion Inc. PAD 0 8 5 6 9 0 5 9 2 Resultation of PA Resultation Inc. Resultation of PA Resultation Inc. Resultation of PA Resultation Inc. Resultation of Resultation Inc. Resultation Inc. Resultation of Resultation Inc. Resultation of Resultation Inc. Resultation I	-	IFOR! WAST			IDOUS EST				9 4			10%	Manifest grumpel No.	2 Pi	1	Informa is not no but is re	equired	by Fe	deral	-
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5. Special Handling Instructions and Additional Information Political Regions Place 175-79 Emergency Contacts: ((((1))) Emergency Response Guide Ro. Regions Response Guide Ro. 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government region and the environment of the international environmen	Lat	Pack	i	rnysica)		1 22		LS	D Pack	(ח"ו	ysicai Su	1 1.0 		1	-	ر ۳۰ د د اسر کند د ۲۰	4 M25		٠.	
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5. Special Handling Instructions and Additional Information P				,	F			1.50	1 id 25		7 / 1 de	1 1 1 1 1			e.c	الم ومنود		7.4		,. ,
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Recreasing Response Guide Ro- 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping nanciassified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government region of the proper shipping nancial properties. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be according to applicable international and national government region and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to have an another than a small quantity generator. I have made a good tash erion to minimize my waste generation and select the best waste management method available to me and that I can alto d. 11. Transporter I Acknowledgement of Receipt of Malerials Printed/Typed Name Signature MONTH DAY 15. Transporter 2 Acknowledgement of Receipt of Malerials Signature Signature MONTH DAY 15. Transporter 2 Acknowledgement of Receipt of Malerials Signature MONTH DAY 16. Discrepancy Indication Space	5. Sp	ocial Ha	andlin	g Instru	ctions and	Addition	nal Inform	nation	P	0 1	# 16	517							_	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping nan classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government region of the special proper condition for transport by highway according to applicable international and national government region of the special proper condition for transport by highway according to applicable international and national government region and the special property of the degree I have determined to be expressed that I can should be property of the special property and the property of the special property of												•								
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if I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be an another environment. OR, if I am a small quantity generator. I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to hur and the environment. OR, if I am a small quantity generator. I have made a good faith effort to minimize my waste generation and select the best waste management method to me and that I can afford. Printed/Typed Name Signature		,																		
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be expracticable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to hur and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me and that I can afford. Printed/Typed Name Signature Signature MONTH DAY 17. Transporter I Acknowledgement of Receipt of Materials Printed/Typed Name Signature Signature Signature MONTH DAY 18. Transporter 2 Acknowledgement of Receipt of Materials Signature Signature MONTH DAY 19. Discrepancy Indication Space	6. (SENER	ATO	R'S CE	RTIFICA	TION:	l hereby d	lectare t	hat the co	ntents c	of this cor	signment a	re fully and a	ccurately d	escribed a	bove by	proper s	hipping	name	and are
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	19. C)iscrepa:	ncy in	dication	Space															
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20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.	20.	Facility	Owne	r or Ope	rator. Ce	rtification	of receip	ot of ha	zardous n	naterial	s covere	d by this n	nanifest exc	ept as note	d in Item	1 19.				
Pripled Typed Name Signatury 1 . MONTH DAY												10					MON	VTH	DAY	YEAR
PAT OWENS (Pat 8) 104/29			7-1	- (WEA	U <				-	(H	J X			_		10	1/12	29 .	91

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

OR ENTER:	NG FORM, ATTACH SITE IDENTIFICA			U.S. ENVIRONMENTAL PROTECTION AGENCY
SITE NAME	ALLIANCE CHEMICAL	INC.		•
	33 AVENUE P NEWA	RK, NJ 07105	Will another to	1990 Hazardous Waste Report
EPA ID NO.	N J D O 4 5 7 9 4 9	7 1	FORM	IDENTIFICATION AND CERTIFICATION
INSTRUCTION	S: Read the detailed instructions	beginning on page 7 o	of the 1990 Hazardous V	Vaste Report booklet before completing this form.
	and location address. Complete ite	=		B, D, E, F, G, and H if same as label; if
A. EPA ID No. Same as label □ or —	N J D 0 4 5 7 9	4971 8-	r/company name me as label	ALLIANCE CHEMICAL INC.
C. Has the site name asso	ciated with this EPA ID changed since 19877	☐ 1 Yes ☑ 2 No		<u> </u>
D. Street name and number Same as tabel Or ———————————————————————————————————	7. Il not applicable, enter industrial park, buildir 33 AVENUE P	g name or other physical loca	tion description.	•
E. City, town, village, etc. Same as lobel N	TEWARK F. County ESSE	K	G. State Same as label [N J]	H. Zip Code Same se tabel [0 7 1 0 5 -
SEC. II Mailing ac	Idress of site. Instruction page 7.			
A. Is the mailing address t	the same as the location address?	EK 1 Yes (SKIP TO SE		
B. Number and street name	e of mailing address			-
C. City, town, village, etc.			D. State	E. Zip Code
/				
SEC. III Name, tit	le, and telephone number of the per	son who should be con	ntacted if questions aris	e regarding this report. Instruction page 7.
A. Please print: Last name			. Title	C. Telephone
BRAUN	RICHARD		DIR. OF MANUFACTURING	21011 9 4 5 - 514 010
Entre At a	Ctandard Industrial Massification F	SIC) Code that describe	es the principal product	s, group of products, produced or distributed, or
SEC. IV the servi	ces rendered at the site's physical lo of the site. Instruction page 8.	cation. Enter more than	n one SIC Code only if i	no one industry description includes the combined
SEC. IV the servi	ces rendered at the site's physical lo of the site. Instruction page 8.	cation. Enter more than	n one SIC Code anly If i	D. N/A
SEC. IV the servi activities A 2 8 SEC. V documen submitted the possition	ces rendered at the site's physical lot of the site. Instruction page 8. 6 5 B. der penalty of faw that I have personts, and that based on my inquiry of the information is true, accurate, and epility of fine and imprisonment.	N/A nally examined and amendose Individuals imme	c. N/A L.I.L. n familiar with the inform diately responsible for c	· ·
SEC. IV the servi activities A 2 8 SEC. V documen submitted the possition. A Number of form pages	ces rendered at the site's physical lot of the site. Instruction page 8. 6 5 B. der penalty of faw that I have personts, and that based on my inquiry of the information is true, accurate, and epility of fine and imprisonment.	N/A nally examined and amendose Individuals imme	c. N/A L.I.L.L. n familiar with the inform diately responsible for chat there are significant	nation submitted in this and all attached obtaining the information, I believe that the
SEC. IV the servi activities A 2 8 SEC. V documen submitted the possit A Number of form pages form IC 1 1 1 B. Please print: Last name	ces rendered at the site's physical lot of the site. Instruction page 8. 6 5 B. Inder penalty of law that I have personts, and that based on my inquiry of its, and that based on my inquiry of its true, accurate, and collity of fine and imprisonment. Submitted Form GM First name	N/A nally examined and am those Individuals immedomplete. I am aware the	c. N/A L.I.L.L. n familiar with the inform diately responsible for chat there are significant	nation submitted in this and all attached obtaining the information, I believe that the penalties for submitting false information, including
SEC. IV the servi activities A 2 8 SEC. V document submitted the possit A. Number of form pages Form IC 1 1 B. Please print: Last name Br	ces rendered at the site's physical lot of the site. Instruction page 8. 6 5 Inder penalty of law that I have personts, and that based on my inquiry of its function is true, accurate, and obility of fine and imprisonment.	N/A nally examined and am those Individuals immedomplete. I am aware the	c. N/A L n familiar with the inform diately responsible for that there are significant	nation submitted in this and all attached obtaining the information, I believe that the penalties for submitting false information, including

Sec. VI	Generator Status				
A 1990 gene Instruction		Reason for not generating (CHECK Page 10	ALL THAT APPLY)		
1 No 2 LO 3 SO	(0 10 020. 1)	1 Never generated 2 Out of business 3 Only excluded or delisted w	4 Only non-hazardous waste 5 Periodic or occasional generator aste 6 Waste minimization activity 7 Other (SPECIFY IN COMMENTS)		
Sec. VII	On-Site Waste Management S	Status			
A Storage Instruction	page 11	RCRA treatment, recycling, or disportant Page 11	Sal C. Exempt treatment, recycling, or disposal Page 12		
	ك _	1			
Sec. VIII	Waste Minimization Activity d	uring 1989 or 1990			
	e begin or expand a <u>source</u> activity during 1989 or 1990? page 12	Did this site begin or expand a reco activity during 1989 or 1990? Page 13	C. Did this site conduct a source reduction or recycling opportunity assessment during 1989 or 1990? Page 13		
1 Yes		□ 1 Yes 砼 2 No	⊠k 1 Yes □ 2 No		
D. What factors have limited this site from initiating new source reduction activities during 1989 or 1990? (CHECK ALL THAT APPLY) Page 13 O1 No factors have limited new source reduction activities. O2 Insufficient capital to install new source reduction equipment or implement new source reduction practices. O3 Lack of technical information on source reduction techniques applicable to the specific production processes. O4 Source reduction is not economically feasible: cost savings in waste management or production will not recover the capital investment. O5 Concern that product quality may decline as a result of source reduction. O6 Technical limitations of the production processes. O7 Permitting burdens.					
i .	ors have limited this site from initiating	new on-site or off-site <u>recycling</u> activiti	es during 1989 or 1990?		
 □ 01 No factors have limited new recycling activities. □ 02 Insufficient capital to install new recycling equipment or implement new recycling practices. □ 03 Lack of technical information on recycling techniques applicable to this site's specific production processes. □ 04 Recycling not economically feasible: cost savings in waste management or production will not recover the capital investment. □ 05 Concern that product quality may decline as a result of recycling. □ 06 Requirements to manifest wastes inhibit shipments off site for recycling. □ 07 Financial liability provisions inhibit shipments off site for recycling. □ 08 Technical limitations of product processes inhibit on-site recycling. □ 09 Permitting burdens inhibit recycling. □ 11 Lack of permitted off-site recycling facilities. □ 12 Unable to identify a market for recyclable materials. □ 13 Other (SPECIFY IN COMMENTS) 					
Comments:					
			Page 2 of 4		

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER: ALLIANCE CHEMICAL INC.	U.S. ENVIRONMENTAL PROTECTION AGENCY
SITE NAME	1990 Hazardous Waste Repor
EPA ID NO. N J D 0 4 5 7 9 4 9 7 1	FORM WASTE GENERATION AND MANAGEMENT
INSTRUCTIONS: Read the detailed instructions beginning on page 14	of the 1990 Hazardous Waste Report booklet before completing this
Sec. A Waste description Instruction Page 15 CARBON PRESSCAKE CONTAINING	TRACES OF CADMIUM
B. EPA hazardous waste code Page 15 [D O O 6 N A N A N A A N	C. State hezardous weste code Page 16 N. A. N. A.
2. SIC code Page 16 2. 8 6 5 A 1 1	F. Form code Page 16 4 0 4 B
H. TRI constituent L. CAS numbers Page 17 1. L	
11 Instruction Page 17 . Page 17 . Page 17 . 2 8 3 2 5 5	UDM Page 18 1 D K L J • L J • L J • CNTINUE TO SYSTEM 1) 1 be/gel 2 ag CX2 No (SIQP TO SEC. III)
SYSTEM 1 System type	SYSTEM 2 System type Quantity treated, disposed or recycled in 1990 Page 18 Page 18
Sec. A. Was this waste shipped off site?	
Site B. EPA ID No. of facility to which weste was shipped Instruction Page 19 [P A D 0 8 5 6 9 0 5 9 2 Page 19	D. Total quantity shipped in 1990 Pege 19 L 1 1 2 8 3 2 5 5
1 Instruction Page 19 Page 19 Page 19 Page 19 Page 19 Site	Page 19 0000 F F
1 Instruction Page 19 Page 19 Page 19 Page 19	IMI 1 3 2 Per 18 1 2 8 3 2 5 5
1 Instruction Page 19	IMI 1 3 2 Pege 19 1 2 8 3 2 5 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Instruction Page 19	Page 19 1 2 8 3 2 5 5 1M1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER SITE NAME ALLIANCE CHEMICAL INC. PROTECTION AGENCY 1990 Hazardous Waste Report OFF-SITE IDENTIFICATION INSTRUCTIONS: Read the detailed instructions on the back of this page before completing this form.				
Site A EPAID No. of off-site installation or transporter	B. Name of off-site installation or transporter			
P ₁ A ₁ D ₁ O ₁ 8 ₁ 5 ₁ 6 ₁ 9 ₁ O ₁ 5 ₁ 9 ₁ 2 ₁	Waste Conversion Inc.			
C. Hendler type (CHECK ALL THAT APPLY)	D. Address of off-site installation			
Generator Transcorter	2869 Sandstone Drive			
©k TSDA	Cay Hatfield Suc PA 200 19640-			
Site A. EPA ID No. of off-eite installation or transporter	S. Name of off-site installation or transporter			
C. Handler type (CHECK ALL THAT APPLY)	D. Address of off-site installation			
☐ Generator	Street			
☐ Transporter	Cby Sudo [Zp			
Site A EPA ID No. of off-site installation or transporter	B. Name of off-site installation or transporter			
1 1 1 1 1 1 1 1 1 1				
C. Handler type (CHECK ALL THAT APPLY)	D. Address of off-sits installation			
Generator	Street			
☐ Trersporter ☐ TSDR	Zip			
Site A. EPA ID No. of off-site installation of transporter	B. Name of off-site installation or transporter			
C. Hendler type (CNECK ALL THAT APPLY)	D. Address of off-site installation			
Generator				
Transporter	Street			
CO TROPA	Cony			
Site A. EPA © No. of off-site installation or transporter	8. Name of off-site instalktion or transporter			
C. Handler type (CHECK ALL THAT APPLY)	D. Address of off-site installation			
Generator Transporter	Street			
□ TBOR	Cry \$400 LLL Cook LLLLLLLLLLLLLLLLLLLLLLLLLLLLLL			
Comments:				
	Page 4 of 4			

OFFICE USE ONLY	
Ann. Fee	
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Date	
Rec'd By	-
/	•

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION HAZARDOUS WASTE GENERATOR ANNUAL REPORT 1990 CERTIFICATION FORM

ITEM 1	USEPA Identification (Generator) Number: NJD045794971
ITEM 2	Generator (Company) Name: ALLIANCE CHEMICAL INC.
ГТЕМ 3	Contact Person: RICHARD E. BRAUN
ITEM 4	Phone Number: 201 945 5400
ITEM 5	Certification:
I certify that	t the information given in this annual report is true, accurate and complete.
·	Richard E. Braun (Print or type name) (Signature) (Date)
	(Print or type name) (Signature) (Date)
ITEM 6	Place an X next to the letter that applies:
'A	This site (company) manifested less than 1.33 tons of hazardous waste for the calendar year 1990 (No Fee)
B	This site (company) manifested 1.33 tons or more of hazardous waste but less than 10 tons of hazardous waste during the calendar year 1990 (Fee \$200)
C	This site (company) manifested 10 tons or more of hazardous waste but less than 100 tons of hazardous waste during the calendar year (Fee \$300)
D <u>X</u>	This site (company) manifested 100 tons or more of hazardous waste during the calendar year (Fee \$400)
ITEM 7	Federal Vendor Identification Number (Tax Identification Number)
· .	221427406/000

PLEASE SUBMIT CHECK WITH YOUR COMPLETED REPORT.

OMB#:

Expires

OR ENTER:	PYING FORM, ATTACH	SITE IDENTIFICATION	LABEL		DRAFT	• • • • • • • • • • • • • • • • • • • •	S. ENVIRO		· · · - ·
SITE NAME	NJD045794	971			8-25-89	1989 V	Vaste Minir	mization	Report
EPA ID NO.	ALLIANCE (309-327 A' NEWARK, N		C		FORM	10	ENTIFICA CERTIFIC	—	. –
INSTRUCTION	ONS: Read the det	ailed instructions begi	nning on page 6 o	of the	1989 Hazardous V	Vaste Report bo	ookiet before	completi	ng this form.
	me and location addre					, B, D, E, F, G,	and H if same	e as label	; if
A. EPA ID No. Same as label	or> 1 1 1 1	1 1 1 1 1 1			ny name				
7	associated with this EPA ID ch	enged since 19877	1 Yes 2 No		AN				
D. Street name and nur Same as label XX or	mber. If not applicable, enter	industrial park, building name	or other physical loca	ation des	cnption.				
E. City, town, village, e Same as label EX or		F. County Essex		G	State Same as label 🖾	H. Zip Code Same as label	3 xx 	سلسلسا	1_1
SEC. II Mailing	address of site. Instru	iction page 6.							
A is the mailing addre	ses the same as the location a	ddress? (3)	1 Yes (SIGP TO SI			<u> </u>			
B. Number and street	name of mailing address								
C. City, town, village, e	tc.			D.	State	E. Zip Code			
	·	 			للا	لــا	1111	<u> - </u>	<u> </u>
SEC. III Name	, title, and telephone n	umber of the person w	rhe should be cor	ntacted	I if questions aris	e regarding this	report, inst	ruction p	nge 6.
A Please print Last n	eme	Pirst name	L.	Title		G. Telephone			
Huth	R	oger	D	Mgr.	Env. Affairs	(210		41 <u>5</u> 1– (5,4,0,0
SEC. IV the se	SEC. IV Enter the Standard Industrial Classification (SIC) Code that describes the principal products, group of products, produced or distributed, or the services rendered at the site's physical location. Enter more than one SIC Code only if no one industry description includes the combined activities of the site. Instruction page 7.								
L2	18 6 5	LILN		C.			۵ ـ		
SEC. V docum submit the por	SEC. V SEC. V I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. A. Number of form pages submitted								
	Form IC 1 121 Form WM [1 10]								
Brady	·	Robert			Č.	C. The VP/Gen	. Manage	er	
0. 5	In Th	aly				E. Date of signat	0141 MO.	12171 DAY	1910.1 YR
	V						Pa	ge 1 of	
EPA Form	Revised							Ō	VER ->

Sec. VI Waste Minimization Activity du	uring 1988 or 1989	,
A. Did this site begin or expand a source reduction activity during 1988 or 1989? Instruction page 8. 1 Yes 2 No See comments	B. Did this site begin or expand a recycling activity during 1988 or 1989? Page 8 1 Yes 2 No	C. Did this site conduct a source reduction or recycling opportunity assessment during 1988 or 1989? Page 8 XX 1 Yes 1 Yes 2 No
D. What factors have limited this site from initiating (CHECK ALL THAT APPLY) Page 8	new source reduction activities during 1988 o	x 1989?
03 Lack of technical information on source	reduction equipment or implement new source reduction techniques, applicable to my specificable: cost savings in waste management or le as a result of source reduction.	
E. What factors have limited this site from Initiating (CHECK ALL THAT APPLY) Page 8	new on-site or off-site recycling activities dur	ing 1988 or 1989?
 □ 01 No factors have limited new recycling ac insufficient capital to install new recyclin or implement new recycling practices. □ 03 Lack of technical information on recyclin applicable to this site's specific production. □ 04 Recycling is not economically feasible: waste management or production will not capital investment. □ 05 Concern that product quality may declin of recycling. □ 06 Requirements to manifest wastes inhibit site for recycling. 	g equipment	ity provisions inhibit shipments off site for recycling. tetions of product processes inhibit shipments off site ations of production processes inhibit on-site recycling. Indeed inhibit recycling. Ited off-site recycling facilities. Intify a market for recyclable materials. FY IN COMMENTS)
Comments:	 	
Sect. VI A&D - equipmen reduce this wa 1989	t was purchased and install ste. Equipment was not yet	lation was started which will at an operational state during

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION HAZARDOUS WASTE GENERATOR ANNUAL REPORT 1989 CERTIFICATION FORM

ITEM 1	USEPA Identification Number: NJD045794971
ITEM 2	Generator (Company) Name: Alliance Chemical, Inc.
ITEM 3	Contact Person: Mr. Roger Huth
ITEM 4	201 945-5400 Phone Number:
ITEM 5	Certification:
•	I certify that the information given in this annual report is true, accurate and complete.
	Robert C. Brady John Bay 4/27/90
	(Print or type name) (Signature) (Date)
ITEM 6	A This site (company) generated less than 1.33 tons of hazardous waste for the calendar year 1989 (No Fee)
	B This site (company) generated greater than 1.33 tons of hazardous waste but less than 10 tons of hazardous waste during the calendar year 1989 (Fee \$200)
	C This site (company) generated greater than 10 tons of hazardous but less than 100 tons of hazardous waste during the calendar year (Fee \$300)
	D This site (company) generated greater than 100 tons of hazardous waste during the calendar year (Fee \$400)
ITEM 7	Federal Vendor Identification Number
	221427406/000

* Please submit check with your completed report.

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION HAZARDOUS WASTE GENERATOR ANNUAL REPORT 1989 -REPORT FORM-

1.	Generator Name All:	iance Chemical, Inc.
2.	USEPA ID Number	NJD045794971
3.	Site Address	33 Avenue P Newark, NJ 07105 (309-327)
4.	Transporter Name	Waste Conversion, Inc.
5.	Transporter USEPA ID Nun	nber PAD085690592
6.	TSD Facility Name	Waste Conversion, Inc.
7.	TSD Facility EPA ID Number	PÁD085690592
8.	TSD Address	2869 Sandstone Drive Hatfield, PA 19440

9.	Waste	Waste	DOTHaz	Total	
	A.) <u>Number</u>	B.) Description	C.) <u>Class</u>	D.) Quantity	E.) <u>Units</u>
	(I)	(11)	(11 or J)	(13)	(14)
	D006	RQ Hazardous Waste Solid, NOS	ORM-E	71780	P
	D006	· · ·	11	60	T
	D006	H	H	36	Y ;

NOTE: For each combination of transporter and treatment, storage and disposal facility (TSDF), list the TOTAL quantity manifested for each waste type

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION HAZARDOUS WASTE GENERATOR ANNUAL REPORT 1989 WASTE SUMMARY FORM

Generator (Company) Name Alliance Chemical, Inc.

US	EPA ID Number NJD0	045794971	
Dir	rections		
eac		l quantity of hazardous waste manifested dur he units of measure as they appeared in item ‡ neasure to another.	
		G - Gallons (liquids only)	
	71,780	P-Pounds	
	60	T - Tons	·
,÷	36	Y-Cubic Yards	
	· · · · · · · · · · · · · · · · · · ·	L - Liters (Liquids only)	
		K-Kilograms	



PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES

Bureau of Waste Management P. O. Box 8558 Harrisburg, PA 17105-8558 FOR SHIPMENT OF HAZARDOUS, INFECTIOUS AND CHEMOTHERAPEUTIC WASTE.

Form approved.
OMB No. 2058-8038

VM-51 REV 11 89				Ext	oires 9-30-61
JIMI ONA HAZARDOO	Generators US 594 ID No.	Security Sec		formation in the shace not required by Fede	
WASTE MANIFEST H I D	04573497	1173 614	<u> </u>	ut is required by State	
Generator's Name and Mailing Address	-		PAC	1 Document Number	1
Alliance Chemical				21/361	4
33 Avenue P. hewark, NJ 0	7105		B. State Gen. ID		
Generator's Phone (2()) 344 234 Transporter 1 Company Name		<u> </u>	SAISE:		
	L US EPA 1		C. State Trans.	D plipers0620	9
Transporter 2 Company Name	17 A 3 3 8 3 (D. Transporter's	HI 1013	
Transporter a Company management	1		E. State Trans.		2 8996
Designated Facility Name and Site Address	'G. US EPA	O Number	PA- I		
Waste Conversion Inc.		,	F. Transporter's	Phone ()	
2869 Sandstone Drive	, ·		G. State Facility		
Earfield, PA 19440	[PA DO8 5	6 9 0 5 9 2	H. Facility's Pho	ne (22 d Earn)	2006
, US DOT Description (Including Proper Shipping) 72 55 (20	nes .	13. Total Unit	Waste No.
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Additional Descriptions for Materials Listed Above	•		IK. Handing Cor	les for Wastes Listed	Above
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Patrick J. Hornikan	5	TA AM		монтн	DAY TO

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PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES

Bureau of Waste Management
P. O. Box 8550 in a significant and a property and a p

FOR SHIPMENT OF HAZARDOUS, INFECTIOUS AND CHEMOTHERAPEUTIC WASTE

Form approved.
OMB No. 2050-8036

Expires 9-30-81 SWM-51: REV 12 88 information in the shaded areas -1. Generator's US EPA ID No.:: 2: UNIFORM HAZARDOUS is not required by Federal law. WASTE MANIFEST MJD 04 57 94 971 but is required by State law. 3. Generator's Name and Mailing Address Alliance Chemical Inc. 33 Ave. P. Newark. NJ 07105 344 2344 4. Generator's Phone (201)-5. Transporter 1 Company Name 6. US EPA ID Number PA-AH MARE AD085690592 Waste Conversion Inc 7. Transporter 2 Company Name D. Charaporter's Phose- (21 8. US EPA ID Number State Trans. 10 9. Designated Facility Name and Site Address * PA-AH -10. US EPA ID Number Waste Conversion Inc F. Transporter's Phone 2869 Sandstone Drive G. State Facility's ID Hatfield, PA 19440 PAD085690592 H: Facility's Phone (23.5 822 12. Containers 13. 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Type Quantity No. RQ Hazardous Waste Solid nos MA 9189 (DOG6) OKM-K d. .. J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code) on your officers receiving a Lab Package. Physical State Lean recipients and it Lab Pack Physical State **12** 31 200 % -الدامة الأساسان 31.15 ar earl 😘 🕯 a 🛶 dr in Manuel 15. Special Handling Instructions and Additional Information Activated Carbon 40% Silica 40% water 20% ~ Weight subject to verification at weigh scale 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. MONTH YEAR MONTH MONTH YEAR 19. Discrepancy Indication Space 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. MONTH YEAR uld

ER-SWM-51' REV. 12/88

In case of an emergency or spill immediately can the ivalidital nesponse bether today 444-6604 and the 174 beth (111) to.

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES

Bureau of Waste Management P. O. Box 8550 Harrisburg, PA 17105-8550

NOTED THE NEW OF HAZINDER OF HEEDTOUS AND CHEMOTHER APPOINTED WANTE Form approvéd. 🗭 OMB No. 2050-0039

Expires 5-30-91

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33 Avenue P., New		105		1	Gen. ID	4 1 5 1	
Generator's Phone (201) 34 Transporter 1 Company Name	4-2344	6. US EPA ID Number			Trans. ID MAT	2 0	ku partus d 200
Waste Conversion Inc	lea	D 0 8 5 6 9 0 5	9 2	L	-AH	DEPS06.	
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Center (800) 424-8802

the National Response

Immediately

Copy 5 - TSD Facility: Mail to Generator



PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES Bureau of Waste Management P. O. Box 8550 Harrisburg, PA 17105-8550

FOR SHIPMENT OF HAZARDOUS, INFECTIOUS AND CHEMOTHERAPEUTIC WASTE.

Form approved: OMB No. 2050-8638 Expires 9-30-81

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WASTE MANIFEST 3. Generator's Name and Mailing		57.94.9.7	117 3 6 0	3 A. Stat	but is re e Manifest Docu	quired by St		\dashv
Alliance Coemic			•		AC 21			
33 Avenue P. M		5		<u> </u>	e Gen. ID			\dashv
4. Generator's Phone (201) 344 2344			Sa	33			.}
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Waste Conversion		P A D O 8 5 (1013	3 9	
7. Transporter 2 Company Nan	10	8. US EPA I	D Number	1	nsporter's Phone e Trans, ID	215)	322-899 6	
9. Designated Facility Name and	Site Address	10. US EPA	ID Number	PA		1		
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PENNSTEVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES Bureau of Waste Management P. O. Box 8550 Harrisburg, PA 17105-8550

AND CHEMOTHERAPEUTIC WASTE

OMB No. 2050-0039 Expires 9-30-91

WASTE MANIFEST NJD 045 79 4 9	Manifest Document No.	2. Page	is not requi		ederal lav	
3. Generator's Name and Mailing Address			Manifest Docume			
ALLIANCE CHEMICAL	•	P	AC 217	<u> 362</u>	5	
33 AVENUE P NEWARK, NJ 07105	i	B. State	Gen. ID			
4. Generator's Phone (201) 344 2344			SAME			
5. Transporter 1 Company Name 5. US EP	A ID Number	C. State	Trans. ID NJDE	P 2062	09	
	69059_					
7. Transporter 2 Company Name 8. US EP	A ID Number	D. Tran	sporter's Phone (215	822 3	996
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9. Designated Facility Name and Site Address 10. US E	PA ID Number	PA-				
Waste Conversion Inc.		F. Trans	sporter's Phone (.)		
2d69 Sandstone Driva		G. State	Facility's ID			•
Harfield, PA 19460 PA D 0 8)	H. Facil	ity's Phone (822	2996	
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PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES - FOR SHAPMENT OF HAZARDOUS, IN Bureau of Waste Management

Harrisburg, PA 17105-8550

51 RI Information in the shaded areas 1. Generator's US EPA ID No. UNIFORM HAZARDOUS is not required by Federal language. **d** 1 NJD045794971 but is required by State law. tor's Name and Malling Address A State Manife 33 Averue P Hewark, NJ 07105 B. State Gen. ID and the second a tie time entre 4. Generator's Phone (201) 344 2344 5. Transporter 1 Company Name 6. US EPA ID Number C. State Trans. ID PAD08569059 Maste Conversion Inc Transporter 2 Company Name 8. US EPA ID Number D. Transporter's Phone; (E. State Trans. ID 9. Designated Facility Name and Site Address PA-10. US EPA ID Number Waste Conversion Inc F. Transporter's Phone 2869 Sandstone Drive G. State Facility's ID Hatfield, PA 19440 822 8996 PAD085690592 H. Facility's Phone (215) 12. Containers 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Total Unit Waste No. Type Quantity Wt/Va * RO Bazardous Maste Solid n o s 7 ORM-B **MA9189** 175 001 D006 DI 06 120 વે ત∷જ્ઞ. Fried: K. Handling Codes for Wastes Listed Aboves, J. Additional Descriptions for Materials Listed Above ... 70.00 Lab Pack Lab Pack Physical State Later to ے ہے • : c. 15. Special Handling Instructions and Additional Information a. Activated Carbon 40% Silica 40% Water 20% 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quamity generator, I certify that I have a program in place to reduce the volume ark toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available, to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Signature Printed/Typed Name MONTH VILLIAM Printeg/Typed Name Signature YEAR 101 70 Signature Printed/Typed Name YEAR 19. Discrepancy Indication Space 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name DAY YFAR MONTH 90 Vrun

EPA Form 8700-22 (Rev. 9/88) Previous editions are obs

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January 12, 1990

New Jersey DEP Division of Waste Management 401 E. State Street, CN 028 Trenton NJ 08625

Attn: Manifest Section

Dear Sir/Madam:

Enclosed are waste manifests for recent shipments of waste to Waste Conversion, Inc. Hatfield, PA.

Very truly yours,

ALLIANCE CHEMICAL

Roger D. Huth

Manager Environmental Affairs

Enc:

PAC 1002761 1002750 1002735 1002746 1003181 1003192

NB 377 324 651

Waste Conversion

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ORIGINAL



In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

... P. O. Box 8550 (***) (\$6.30) 8410(4) 7.1. () 46.5 Harrisburg, PA 17105-8550

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Harrisburg, PA 17765-8550

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Bureau of Waste Management

P. O. Box 8558 Harrisburg, PA 17105-8558

Form approved? A 1 OMS No. 2050-0036

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1. Generator's US EPA ID No. UNIFORM HAZARDOUS WASTE WANIFEST 14 J D 2 4 5 7 9 4 9 7 1 ALLIANCE CERMICAL, IEC. (0.00 to 100 to TUCKERATELE SERVICE DE L'AVENUE ? PORTOR MANARK, NJ 071 003553259 9. Designated Facility Name and Site Address PA-AH 10. US EPA .D Number Wasta Confedica Inc معاملا مستحصدة فوفة e Feathers & Battle H Leites 11. US DOT Descretion including Proper Shapping RO SEESCOUS ASSES SOLLE A V 3 ₹2139 ≈ -3 : 0 0 1 D T (2006)a. Actional Octors 406 silies 408 vater 208 Veight unbject to verification at weigh scale 16. GENERATOR'S (ESTIFICATION: I women declare that the contents of the conten Ject 185 information

ER-SWM-51: REV. 12.58

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES

P. O. Box 8550 Harrisburg, PA 17105-8550

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Bureau of Waste Management P. O. Box 8550 Harrisburg, PA 17105-8550 MO DESCRIPTION WASTE

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Bureau of Waste Management P. O. Box 8550 Harrisburg, PA 17105-8550

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SENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are bully and accurately described above to proper condition for transport by highway according to applicable international and are in all respects in proper condition for transport by highway according to applicable international and accurately described international and accurately described international and accurately described international and accurately described international and accurately described international and accurately described international and accurately described international and accurately described international and accurately described international and accurately described international and accurately described international and accurately described international and accurately described in a second accurat	CONTRACTOR TO SECURE
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SENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are butly and accurately described above to proper condition for transport by highway according to applicable immensions and aboved and are in all respects in proper condition for transport by highway according to applicable immensions and above and as a sense as the practicable method of treatment, storage, or disposal currently available to me which minimizes the practicable method of treatment, storage, or disposal currently available to me which minimizes the present we assume that the assumption of the sense of	CONTRACTOR TO SECURE
E. SENERATOR'S CERTIFICATION: I hereby declare that the contents of this consequency are fully and accurately described above to applicable members and aboved and are in all respects in proper condition for transport by neglicially according to applicable members and aboved and are in all respects in proper condition for transport of members according to applicable members and according to applicable members and according to applicable members and according to applicable members and according to applicable in members and according to applicable members and according to applicable members and according to applicable members and according to applicable members and according to applicable in members and according to the according	CONTRACTOR TO SECURE
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NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION HAZARDOUS WASTE GENERATOR ANNUAL REPORT 1988 CERTIFICATION FORM

ITEM 1	USEP.	A Identification N	umber: _	NJD0457949	71	 .	
ITEM 2	Gene	rator (Company)	Name:	ALLIANCE	CHEMICAL,	INC.	
ITEM 3	Conta	act Person: M	R. ROGI	ER HUTH			•
ITEM 4	Phon	e Number:	01 94	5-5400			•
ITEM 5	Certi	fication:				,	
·	comp	ify that the informolete and that I ha	ve receive THE NE	ed the following W JERSEY HAZA	guide, "GENEI RDOUS WASTI	RATOR'S GUIDE	,
	Artru	r GUSMAHO	4	rthy Dusa	an	5-30-89	
	(Pri	nt or type name)		(Signature)		(Date)	
ІТЕМ 6	A ———	This site (compacalendar year 19			1.33 tons of h	azardous waste fo	or the
	B					azardous waste bu ur 1988 (Fee \$200	
	С	This site (compatons of hazardo				ardous but less tha 300)	n 100
:	D _	This site (compa the calendar yea			an 100 tons of h	nazardous waste d	uring •
ITEM 7	Federal '	Vendor Identifica	tion Num	ber			-
				-			

221427406/000

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION HAZARDOUS WASTE GENERATOR ANNUAL REPORT 1988 - REPORT FORM -

1. Generator Name

ALLIANCE CHEMICAL, INC.

2. USEPA ID Number

NJD045794971

3. Site Address

309-327 AVENUE P NEWARK, NJ 07105

- 4. Transporter Name
- 5. Transporter USEPA ID Number
- 6. TSD Facility Name
- 7. TSD Facility EPA ID Number
- 8. TSD Address

9. Waste Waste DOT Haz Total

A.) Number B.) Description C.) Class D.) Quantity E.) Units

(I) (11) (11 or J) (13) (14)

NO HAZARDOUS WASTE SHIPPED DURING 1988 NON-HAZARDOUS WASTES ONLY

NOTE: For each combination of transporter and treatment, storage and disposal facility (TSDF), list the TOTAL quantity manifested for each waste type.

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION HAZARDOUS WASTE GENERATOR ANNUAL REPORT 1988 WASTE SUMMARY FORM

Generator (Company	Name	
US EPA ID Number_	NJD045794971	
		,
Directions	•	
Please indicate below the each unit of measure. En convert one form of unit	total quantity of hazardous waste manifested during the 1988 report year is er the units of measure as they appeared in item #14 of the manifest. Do roof measure to another.	for not
0	G - Gallons (liquids only)	
0	P • Pounds	
0	T - Tons	
0	Y - Cubic Yards	
0	L - Liters (Liquids only)	
0	K . Kilograms	٠

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS WASTE MANAGEMENT HAZARDOUS WASTE GENERATOR WASTE MINIMIZATION REPORT: 1988

Company: ALLIA	ANCE CHE	MICAL,	INC.		_ EPA ID	No.:	NJD0457949	971
• •		(Name) O. Box	15	Ridgefi	eld	— иј 0	7657	
Mailing Address: _		(Street)			(City)		(State/Zip Code	
Location of Gener	_	3	309-327	Avenue P	Newark	, NJ 0	· - ·	••
Focation of dener			(H dif	ferent frem mai	•			
Contact Person: _	Roger				201 9	45-540	0	
•	~	(Name)			Wo-	-	phone Number) invironmenta	al Affai
-	$-K\alpha$	per 1	till_		rial			
	0	(Signatu	IT • }			(Title	•)	
PART I - PLEASE COMPLE	TE THE FOL	TOWK	3 SURVEY	AND REPORT	. FOR ASS	STANCE	CALL (609) 292	2-8341
DEFINITIONS								•
Create — means to st	art the typ	e of a	tivity refe	erred to in th	e question			
Expand — means to i	mprove up	on or i	ncrease t	he scope of	an active o	r existing	g activity	
Recycling — means the means the proceed to make a product a useable product spent solvents for Source Reduction — if	lure where t. "Reclar t, or where r reuse is	by a re mation" e a mat recyclin	sidual is means d erial is re g.	employed as procedure v egenerated.	an Ingredi whereby a For examp	ent in a moterial le, distil	n industrial pro is treated to lation and reco	recover
hazardous waste before the waste	generation	at the						
1. Did this site cre		Prior Y	No No	1987 Yes	No ·	191 Yes	No.	888
}	Create							1988
•	Expand					П		امه
2. Did this site had methods for so	ve a writi ource red	ten poi uction	licy or s and rec	tatement ti yeling of h	hat outline azardous	ed goal	ls, objective: ?	dur Ir
		Prior Y	'ears	1987	,	191		اير
	Yes		3]	a t
	No		ב				٠ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ	ler
3. What was the operating cost Enter zero (0)	s devote							
		Prior Y		1987	,	100	8	
Capital expen Operatin		-	0	•0		*\$		s. Hazardous
4. Did this site ha awards, perso and recycling	nal recog	nition,	etc.) to	identify an	or provide d implem	Incent ent sou	tives (bonus rce reductio	No Haza
	- *	Prior '	Years	1987	7	19	88 No.	
		Yes	No	Y••	No	Yes	No .	*Note:
	raining							S.
Inc	entives							*

WASTE MINIMIZATION - PART I - Continued

5.	Did this site conduct a sour or audit? Note: an opportu implemented to reduce the must subsequently be treat	nity as gener	sessme ation of	ent or audi hazardou	t is a	procedur	e that c	an be	t
	/	Prior Y	6878	19	87		1988		
	i	Yes	No C	Yes	No	Ye			
	Site-Wide Process-Specific								
6.	Did this site identify or implineduce the volume and/or								g 1988
		Prior \	Years	19	87		1984		during
	·	Yes	No	Yes	No	Ye	s No		- 1
	Identify								ted
	Implement								generated
7.	What factors have delayed opportunities. MARK⊠FO				itation	ct.SOUR	رت عدر	DUCTION	1
	a. Insufficient capital to new source reduction			ource redu	etion	equipme	nt or in	nplement	- 1
•	b. Lack of technical info my specific production			ource redu	ction	techniqu	es, app	olicable to	Hazardous
•	c. Source reduction is r			•		_			1
	🗖 . d. Concern that produc	t quali	ty may	ss enlipeb	a rest	alt of sou	rce red	iuction.	No
	e. Technical limitations	of the	produc	tion proce	3385.				Note:
	☐ f. Permitting burdens.								Ž *
	g. Other (Specify)					·	 		- I
8	Did this site identify or imp volume and/or toxicity of i treated, stored, or dispose	hazaro	ious wa	ste gener					ly
	identify Implement	Prior Yes	Years No	1 <u>1</u> Yes	987 No	Y.	: <u> </u>		

1988
ţu
generated
waste
Hazardous
8
*Note:

9.			factors have delayed o CLING opportunities. M.					or off-si	le
		a.	insufficient capital to recycling practices.	install n	new recyc	ling equipm	ent or im	plement n	•w
		b.	Lack of technical info site's specific produc	rmation tion pro	on recycl	ling techniq	ues appli	icable to t	his
		C.	Recycling is not econor production will not	omically recove	y feasible: Ir the capit	cost savin	gs in war ent.	ste manag	ement
		d.	Concern that product	quality	may decli	ne as a res	uit of rec	ycling.	
		0.	Requirements to mani	fest wa	astes inhib	it shipmen	s off site	for recy	cling.
		f.	Financial liability prov	Islons li	nhibit ship	ments off s	ite for r	ecycling.	
		g.	Technical limitations of recycling.	of produ	uct proces	ses inhibit	shipmen	ts off site	for
		h.	Technical limitations	of prod	uctin proc	esses inhib	it on-site	recycling	3.
		I.	•		•				Ì
		J.	Lack of permitted off		•				<u>ن</u>
		k.			or recycla	ble materia	is.		7
		I.	Other (Specify)						
10	on	80 L	is site requested or rec irce reduction and/or r	ecyclin					
	MA	KKK	TOR ALL THAT APP	LY.					
ì	MA	KHK	E FOR ALL THAT APP	Prior 'Technical		19: Technical		191 Technical	
`			cal government	Prior '					
`	a.	Lo		Prior Technical	Financial	Technical	Financial	Technical	Financial
	a. b.	Lo St	cal government	Prior 'Technical	Financial	Technical	Financial	Technical	Financial
`	a. b. c.	Lo St	cal government ate government	Prior \ Technical	Financial	Technical	Financial	Technical	Financial
	a. b. c. d.	Lo Sta Fe	cal government ate government deral government	Prior \ Technical	Financial	Technical	Financial	Technical	Financial
,	a. b. c. d.	Lo Sta Fe Tr	cai government ate government derai government ade associations	Prior \ Technical	Financial	Technical	Financial	Technical	Financial
,	a. b. c. d. e. f.	Lo Sta Fe Tr Ed Su	cal government ate government deral government ade associations	Prior \ Technical	Financial	Technical	Financial	Technical	Financial
	a. b. c. d. e. f.	Lo Sta Fe Tr Ed Su	cal government ate government deral government ade associations lucational institutions	Prior \ Technical	Financial	Technical	Financial	Technical	Pinancial
	a. b. c. d. e. f.	Fe Tr Ed	cal government ate government deral government ade associations lucational institutions appliers ther parts of your firm	Prior \ Technical	Financial	Technical	Financial	Technical	Pinancial
	a. b. c. d. e. f. g.	Lo Sta Fe Tr Ed Su Ot No	cal government ate government deral government ade associations lucational institutions appliers ther parts of your firm ther firms/consultants	Prior \ Technical	Financial	Technical	Financial	Technical	Pinancial

PART II: 1987/1988 WASTE MINIMIZATION REPORT DATA

NJD045794971 EPA ID ": 1987 1988 d. ₽. f. b. C. g. h. Amount of Enter total **Total Amount** Waste Enter total **Total Amount** Amount of Increase or New Stream **Amount** Waste **Amount** of Product Waste of Product Decrease Jersey Divided By Divided by and Unit Produced and Unit Waste Produced of Amount of **Total Amount Total Amount** of Waste and Unit of and Unit of Waste Divided of Waste Number of Production of Production Production Production by Unit of (See your (See Page 3) Production Manifest (See Page 3) d = bor Annual C h = q - dReport A. d. е. f. h. a. b. C. g. m. Source I. Product Reduction K. SIC CODE for J. Disposal Produced: Code: Code: Waste Stream A: Code: N. PROCESS PROJECTED % RED./CODE(S) -DESCRIPTION: В. f. d. h. b. C. g. - Disposal K. SIC CODE for . Product m. Source Reduction Code: Produced: Code: Waste Stream B: Code: N. PROCESS 0. PROJECTED % RED./CODE(8) -DESCRIPTION: C. d. h. b. C. g. K. SIC CODE for - Product m. Source Reduction J. Disposal Code: Code: Produced: Code: Waste Stream C: N. PROCESS DESCRIPTION PROJECTED % RED./CODE(8) -D. a. b. d. f. h. c. Θ. g. m. Source K. SIC CODE for Reduction J. Disposal . Product 2 Code: Produced: Code: Waste Stream D: Code: IT. PROCESS 0. DESCRIPTION: PROJECTED % RED./CODE(8) -E. d. f. a. b. C. h. g. m. Source J. Disposal . Product Reduction K. SIC CODE for Code: Produced: Code: Waste Stream E: Code: N. PROCESS 0. DESCRIPTION PROJECTED % RED./CODE(S) -F. a. b. d. 1. h. C. Θ. g. Reduction • J. Disposal K. SIC CODE for I. Product m. Source Code: Code: Produced: Waste Stream F: Code: N. PROCESS 0. DESCRIPTION: PROJECTED % RED./CODE(S) -

Page 13 of 16

*Note:

ö

Hazardous

Waste

generated

during

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION HAZARDOUS WASTE GENERATOR ANNUAL REPORT 1987 - WASTE SUMMARY FORM -

Generator Name: Alliance Chemical Inc. NJD045794971 DIRECTIONS: Please indicate below the total quantity of hazardous waste manifested the 1987 report year for each unit of measure. Enter the units of measure appeared on the manifest(s). Do not convert one form of unit of measure another. OG-Gallons (liquids only) 1,400 P-Pounds OT-Tons (2,000 lbs.) OY-Cubic Yards		
DIRECTIONS: Please indicate below the total quantity of hazardous waste manifested the 1987 report year for each unit of measure. Enter the units of measure they appeared on the manifest(s). Do not convert one form of unit of measure another. OG - Gallons (liquids only) 1,400 P - Pounds OG - T - Tons (2,000 lbs.)	enerator Na	
Please indicate below the total quantity of hazardous waste manifested the 1987 report year for each unit of measure. Enter the units of measure they appeared on the manifest(s). Do not convert one form of unit of measure another. OG - Gallons (liquids only) 1,400 P - Pounds OG - T - Tons (2,000 lbs.)	PA ID No.:	
Please indicate below the total quantity of hazardous waste manifested the 1987 report year for each unit of measure. Enter the units of measure they appeared on the manifest(s). Do not convert one form of unit of measure another. OG - Gallons (liquids only) 1,400 P - Pounds OG - T - Tons (2,000 lbs.)		
Please indicate below the total quantity of hazardous waste manifested the 1987 report year for each unit of measure. Enter the units of measure they appeared on the manifest(s). Do not convert one form of unit of measure another. OG - Gallons (liquids only) 1,400 P - Pounds OG - T - Tons (2,000 lbs.)		
the 1987 report year for each unit of measure. Enter the units of measure they appeared on the manifest(s). Do not convert one form of unit of measure another. OG - Gallons (liquids only) 1,400 P - Pounds OG - T - Tons (2,000 lbs.)	RECTIONS:	
1,400 P - Pounds 0 T - Tons (2,000 lbs.)	ne 1987 rep ney appeare	f measure as
0 T - Tons (2,000 lbs.)	0	•
1 - 10Hs (2,000 1bs.)	1,400	•
0 Y - Cubic Yards	0	
	0	
0 L - Liters (liquids only)	0	,
0 K - Kilograms	0	

0 M - Metric Tons (1,000 kg)

0 N - Cubic Meters

^{*}Enter zero (0) for units of measure which were not utilized.

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION HAZARDOUS WASTE GENERATOR ANNUAL REPORT 1987 - REPORT FORM -

ı.	Generator Name:	Alliance Che	mical	2.	EPA ID N	io.: _	NJD045/949/1
3 [.] .	Site Address: _	309-327 Avenue	P, Newark,	NJ 0710	05		
4.	Transporter Name	: CECOS Intern	ational In	c. 5.	EPA ID N	io.:]	NYD080336241
6.	TSD Facility Nat	ne: CECOS Inter	national I	inc.7.	EPA ID N	io.:]	NYD080336241
8.	TSD Address:	56th Street & Ni	agara Fall	s Blvd.	Niagara	Fal	ls, NY 14304
9.	Waste A.) Number B.)	Waste <pre>Description C.)</pre>	DOT Haz Class	To: D.) Quar) <u>Uni</u>	its
•		Hazardous Waste Solid, nos	ORM-E	1,	400	:	P

NOTE: For each combination of transporter and TSD facility, list the total quantity manifested for each waste type.

case of emergency or spill immediately call the National Response Center (600) 424-6602 and the N.Y. Department of Transportation (518) 457-7362.

STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Form Approved. OMB No. 2050-0039, Expires 9-30-88

INIFORM HAZARDOUS 1. Generator's	s US EPA No. Mon	ifest	2. Page 1	Informa	ion in the	Sharled score
UNIFORM HAZARDOUS 1. Generator's WASTE MANIFEST NIPO	1 = 70 110 7 11 Doc	ument No.	1 of /	is not re	quired by	shaded areas Federal Law.
3. Generator's Name and Mailing Address Allance	hemicol Inc,		A. State M	lanifest Do	ument No.	33 1
307-327 Newark A	Avenue P. LTI 07105		B. Genera			
4. Generator 3 Priorie (2011 344-3344			•	SAME		
5. Transporter 1 (Company Name) CECOS International Inc.	6. US EPA ID Number INVIDO 8 0 3 3 6	341		ransporter's orter's Phon		700 767
7. Transporter 2 (Company Name)	8. US EPA ID Number	1241		ransporter's		<u> 284-767</u>
			F. Transpo	xter's Phon		and and
9. Designated Facility Name and Site Address CECOS International Tuc.	10. US EPA ID Number		G. State F	acility's ID		
Niegoro Fulls NV 14204	lav.		H. Facility	ب مرافقت فی م		
Niegaro Fulle, NY. 14304	PEECECTIAN	12. Cont.		13.	14.	74
11. US DOT Description (Including Proper Shipping Name, Haz	ard Class and ID Number)	No.		Total uantity	Unit Wt/Vol	Waste No.
* Hazardous Waste Solid	有為無 。				336. 55	
OKM. E.		ાં	וו אם	1400	P	X725
b.	,					
				, , ,		产
c.			,			
d.		-1-1-				
0.						
	71 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -				19	
J. Additional Descriptions for Materials listed Above		end in the Robert State	K. Handim	g Codes for	Wastes L	sted Above
Out Fuel of 1	Substitute of the principle of		Option of	لطا	C 3	2 3 3 L
						\Box
15. Special Handling Instructions and Additional Information	किल्लीन है। इपकृति संभित्र	10.154	b	<u>ايلا</u>	d	الما
13. Special rightening matterions and Additional morniation	•					
·						
ACCUST A TODIO OF DETICIOATION						
 GENERATOR'S CERTIFICATION: I hereby declare that the classified, packed, marked and labeled, and are in all respects in pre- classified. 						
regulations and state laws and regulations. If I am a large quantity generator, I certify that I have program in place to						
practicable and that I have selected the practicable method of treatment, health and the environment; OR, if I am a small quantity generator, I ha method that is available to me and that I can afford.						
PrintedTyped Name	Signature	11-4	4		Mo.	Day Year
	Noger	Huch			109	10141317
17. Transporter 1 (Acknowledgement of Receipt of Materials) Printed/Typed Name	Signature				Mo.	Day Year
ERRO INIEN		2	0/1		180	SOUP
18. Transporter 2 (Acknowledgement of Receipt of Materials)	Tred	Z.	eng			10111
Printed/Typed Name	Signature				Mo.	Day Year
19. Discrepancy Indication Space			/			
			,			
20. Facility Owner or Operator: Certification of receipt of haza	rdous materials covered by this	manifest	AXCANT 20 CO	ted in item	19	
		umost (-AUDIT ES 110	- A IN INGIN		
PrintedTyped Name Orivini Janes - Thurst	Signature	1 X	Top,	Le ,	Mo.	Day Year
			= 0, 00, 00.	·, <u> </u>	<u> </u>	الإسميد

COPY 3—Generator—mail&d by TSD facility



NON-HAZARDOUS WASTE MANIFEST

261030 CHEMICAL AND ENVIRONMENTAL CONSERVATION SYSTEMS, INC Work Order No. GENERATOR Generator EPA CECOS T.S.D.F 3 2 6 N Y D 0 8 3 3 6 I.D. Number EPA I.D. Number PFISTER CHEMICAL INC. CECOS INTERNATIONAL CECOS T.S.D.F. Lócation Generator Name FOOT OF LINDEN AVENUE 56th ST. & NIAGARA FALLS BLVD. Address RIDGEFIELD, NJ 07657 NIAGARA FALLS, NY 14304 Phone No. Phone No. 0 1 9 5 2 4 6 2 8 2 6 6 Containers Codes Proper U.S.D.O.T. Shipping Name, Hazard Class and **CECOS Product Code** I.D. Number Quantity Units Type D - Drum C - Carton 1335G D.O.T. non regulated B - Bag T - Truck Non hazardous chemical waste P - Pounds 1335 Y - Yards O - Other I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations. Roger D. Huth Generator Authorized Agent Name TRANSPORTER Transporter EPA I.D. Number Turr national Tre. Driver Name (Print) Vehicle License No.: State ______ I hereby certify that the above named material was picked up at the I hereby certify that the above named material was delivered without incident to the destination listed below. DESTINATION CDCOS International Inc. 56th St. & Niagara Falls Blvd. Niagara Falls, NY 14304 Address ___ I nereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate,

TITSTIF CORY TOF CORONAL LIGHTANSFORTER CORY IN TADE BET INTO GENERATOR OF LIGHTANDER RETAIN

"你可以可能的特別,我就把你的一个,我就是我们,我们会的不完

DNR MICHIGAN DEPARTMENT OF NATURAL RESOURCES

	DO	NOT W	RITE	IN	THIS	SPACE	
ATT.		DIS.		.,.	REJ.		PR. 🗆

1979, as amended and Act 136, P.A. 1969.

Failure to file is punishable under section 299.548 MCL*or Section 10 of Act 136, P.A. 1969.

Plea	se p	print or type		•		Fort	m Approved. OMB	No. 2050	-0039 Expires	9-30-88
A		UNIFORM HAZARDOUS WASTE MANIFEST	Generator's US EPA	10 No.	Manifest Document No.	2. Pag	is not		the shaded ar ed by Fed	
11	3.	Generator's Name and Mailing Address	·		:		ate Manifest D			in a gradi
		Alliance Chemical, Inc.				₹ M	i 139	<u> 168</u>	1/2	***
		309-327 Avenue P News	•				te Generator's			
		Generator's Phone (201) 344				-	S2882			Sar.
Н	3 .	Transporter 1 Company Name Howith Trucking	6.	US EPA ID			ate Transporter			
	٠,	Transporter 2 Company Name	PA	D 0 6 4 0			nspcrter's Pho			
	, '	Transporter 2 Company Name	1 1 1	I I I I I	I I I I		ate Transporter			- 10
	9.	Designated Facility Name and Site Add	fress 10.	US EPA ID	Number		ate Facility's II			
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6	11.	. US DOT Description (including Proper S HM ID NUMBER	hipping Name, Haza R).	ard Class, and	12.Conta	Type	. 13. Total Quantity	14. Unit Wt/Vol	I. Waste No.	N/H
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	J.	Additional Descriptions for Materials L	isted Above				ndling Codes f led Above	or Was	tes a/	1
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		a) Tech # 2586 Spent Carl	bon WC Frier		•					
	16.	GENERATOR'S CERTIFICATION: I hereby declare t	that the contents of this	consignment are fu	lly and accurately	describe	d above by			
Н	l	proper shipping name and are classified, packed, naccording to applicable international and national g	narked, and labeled, and	are in all respects	in proper condition	for trans	sport by highway			
П		If I am a large quantity generator, I certify that I	_	e to reduce the vo	ume and toxicity	of waste	e generated to the	e deare	e I have detem	nined
		to be economically practicable and that I have so	elected the practicable	method of treatme	ent, storage, or di	sposal c	urrently available	to me v	vhich minimize	es the
	•	generation and select the best waste manage	ement method that is	available to me a	nd that I can aff	ord.				
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ALL SPILLS MUST BE REPORTED TO THE MICHIGAN PULLUTION EMERGENCY ALERTING STSTEM, IN MICHIGAN AT 1-800-284-100 OIL OF STATE AT 51-31-3-1000 AND THE NATIONAL INC. TO THE NATIONAL THEORY.

DNR MICHIGAN DEPARTMENT OF NATURAL RESOURCES

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MICHIGAN DEPARTMENT OF NATURAL RESOURCES ALL SPILLS MUST BE REPORTED TO THE MICHIDAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIDAN ATT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOURS PER DAY.

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Required under authority of Act 64, P.A. 1979, as amended and Act 136, P.A. 1969.

Failure to file is punishable under section 299.548.MCL or Section 10 of Act 136, P.A. 1969.

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THIS SPACE Act 136

Fallure to file is punishable under section 299.548 MCL or Section 10 of Act 136, P.A. 1969.

1979, as amended and Act 136, PA. 1969.

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3 Generator's Name and Mailing Ad- Alliance Chesical, 309-327 Avenue P	iress Inc.		A. State	Manifest Docu	ment Number 593
4. Generator's Phone	(201) 344-2344			Generator's ID	
5 Transporter 1 Company Name PERRYLL PRICHT SERVIC	מנים ב	0 0 0 6 9 2	3 6 3		NUMBER 7067 01 935-4363
7. Transporter 2. Company Name	8. 7.	US EPA ID Numb	L. Otate	Transporter's Il	
9. Designated Facility Name and Site	Address 10.	US EPA ID Numb		Facility's ID	
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11. US DOT Description (including Prop HM ID NUM	per Shipping Name, Hazar	d Class, and	12 Containers s	13. 14 Total Ur Quantity M	L Waste
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15. Special Handling Instructions and	Additional Information	7160-WC			
16. GENERATOR'S CERTIFICATION: hereby de- proper shipping name and are classified, pac according to applicable international and nati	ked, marked, and labeled, and ar				
If I am a large quantity generator, I certify to be economically practicable and that I h present and future threat to human health generation and select the best waste mi	ave selected the practicable mand the environment: OR: if I	ethod of treatment, sto am a small quantity ge	rage, or disposal curr nerator. I have made	ently available to m	ne which minimizes the
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18. Transporter 2 Acknowledgement or Printed/Typed Name	Receipt of Materials	Signature	<i></i>		Date Month Day Year
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19. Discrepancy Indication Space	• •		•		
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20. Facility Owner or Operator: Certification 19.	ion of receipt of hazardou	materials covered t	y this manifest ex	cept as noted in	
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ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-500-292-1706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE.

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8862 24 HOURS PER DAY.

DNR MICHIGAN DEPARTMENT OF NATURAL RESOURCES

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Required under authority of Act os, MA 1979, as amended and Act 136, P.A. 1969.

Failure to file is punishable under section 299.548 MCL or Section 10 of Act 136, P.A. 1989.

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5.	Transporter 1 Company Name	6.	US EPA ID Num		C. State	Transporter	's IDAI	DEPS796	7
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CENTER AT 1-800-424-8602 24 HOURS PER DAY.

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MICHIGAN DEPARTMENT OF NATURAL RESOURCES

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1979, as amended and Act 136, P.A. 1969.

Failure to file is punishable under section 299.548 MCL or Section 10 of Act 136, P.A. 1969.

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MICHIGAN DEPARTMENT OF NATURAL RESOURCES

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Failure to file is punishable under section 299.548 MCL or Section 10 of Act 136, P.A. 1969.

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ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-282-1706 OR OUT OF STATE AT 517-373-7880 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOURS PER DAY.



DO NOT WRITE IN THIS SPACE ATT. DIS. REJ. D

Required under authority of Act 64, P.A. 1979, as amended and Act 136, P.A. 1969.

Failure to file is punishable under section 299.548 MCL or Section 10 of Act 136, P.A. 1969.

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DNR MICHIGAN DEPARTMENT OF NATURAL RESOURCES

DO	NOT	WRITE	IN THIS	SPAC	E
ATT.		DIS.		REJ.	

Failure to file is punishable under section 299.548 MCL or Section 10 of Act 136, P.A. 1969.

1979, as amended and Act 136, P.A. 1969.

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MICHIGAN DEPARTMENT OF NATURAL RESOURCES

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NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION HAZARDOUS WASTE FACILITY ANNUAL REPORT - PART I

١.	CALENDAR YEAR COVERED 1983
2.	FACILITY'S NAME Alliance Chemical Inc.
3.	EPA ID NO. NJD045794971
4.	MAILING ADDRESS 33 Ave. "P", Newark, New Jersey 07105
5.	STREET ADDRESS OF FACILITY
6.	FACILITY CONTACT Arthur F. Gusmano PHONE NUMBER 201-945-5400
7.	CLOSURE COST ESTIMATE \$ No Closure Cost
8.	POST-CLOSURE COST ESTIMATE (if applicable) \$
9.	CERTIFICATION STATEMENT
	"I certify under panalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete I am aware that there are significant penalties under N.J.S.A. 13:1E-1 et seq for submitting false information, including the possibility of fine and imprisonment".
•	Arthur Gusmano Atty Busman 2/14/84 Print or Type Name Signature Date

- 10. In addition to the information required above and that required in Part II of this report, please submit the following required items: (where applicable)
 - A. A copy of the facility's typical waste analysis form.
 - B. A copy of the facility's typical daily inspection form.
 - C. A copy of the typical notice to a generator, required under N.J.A.C. 7:26-9.4(a)1 and a listing of all generators who received this notice (only for commercial facilities).
 - D. A listing of all waste shipments rejected, according to manifest number and an explanation for each rejected shipment (only for commercial facilities).
 - E. A listing of all manifest discrepancies and an explanation of each discrepancy (only for commercial facilities).
 - F. A listing of the total quantity of each waste type treated, stored, or disposed of at the facility. This listing shall include all hazardous waste accepted at the hazardous waste facility, including all on-site generated hazardous waste.
 - G. A listing of the total quantities of each waste type consigned to each treatment, storage, or disposal process used at the facility. This listing shall include all hazardous waste accepted at the hazardous waste facility, including all on-site generated hazardous waste.
 - H. A report covering all incidents that required implementing the contingency plan.

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION HAZARDOUS WASTE FACILITY ANNUAL REPORT - PART II

11.	FACILITY	EPA ID #_	NJD0457	94971				-	
12.	GENERATO	R NAME	Allianc	e Chemical	Inc.	·		<u>.</u>	
13.	GENERATO	R ADDRESS						_	
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14.	CENERATO	R FPA TÔ #						-	
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15.	WASTE ID	ENTIFICATI	ON						
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Page ___ of __

January 31, 1983

Manifest Section
N.J. Bureau of Hazardous Waste
Classification & Manifest
32 East Hanover Street
Trenton, N. J. 08625

Attn: Nancy Power

Dear Ms. Power:

After talking with you about Alliance Chemicals's Waste Report, I am returning the report form since Alliance has shipped no RCRA hazardous wastes in 1982.

Very truly yours,

Arthur F. Gusmano Technical Director

arth Susur

AFG/cs

Encls:

Certified Mail No. Pl0 6182505

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF HAZARDOUS WASTE GENERATOR'S ANNUAL REPORT FOR YEAR OF 1981

1. GENERATOR'S NAME Alliance Chemical Inc.	2.EPA ID	101111	0045794971	
3.ADDRESS 33 Avenue "P", Newark, N. J. 071	.05			· · · · · · · · · · · · · · · · · · ·
4.TRANSPORTER'S NAME R & R Transportation Se	ervice (SCA) 5.EPA ID	OTEM . ON	000008953	
6.ADDRESS Box 422, RD #4, Randolph, N. J.				
7.FACILITY'S NAME SCA Chemical Services	8.EPA ID	10SCI	0070375985	
9.ADDRESS Pinewood, So. Carolina 29125	· · · · · · · · · · · · · · · · · · ·			
O.MANIFEST NO. DESCRIPTION OF WASTE	DOT HAZ.CLASS QUANTITY	UNITS	EPA WASTE TYPE	REJECTED
_iJ0003909Spent activiated carbon and filter aids.	Non-hazardous—26,000	lbs.	non-hazardous	
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-0058840	" —20.000	11	II II	
-0023972""	"20,090	11 ,	17 11	:
0023973""	"	. 11	19 19	
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· 0023975—— " —————"	" "-36,100	11	tt 55	•

^{* -} PLACE AN "*" UNDER THE REJECTED COLUMN FOR THOSE MANIFESTS REJECTED BY FACILITY.

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STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION IIFEST

See cover sheet for instructions.	DEI WILLIAMETAL OL FIRALITOMMENIME
Please TYPE all information.	HAZARDOUS WASTE MAN

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GENERATOR'S CERTIFICATION: This condition for transportation according to were consigned to the Transporter named permit to do so. I certify that the foregoing	the applicable regulation. The Treatment, Storage	ons of the Depa age or Disposal	artmer Facili	nt of Transportation ty can and will acce	1, U.S. E	PA and the	State. The	wastes (described	above
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See cover sheet for instructions. Please TYPE all information.

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

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See cover sheet for instructions.
Please TYPE all information.

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

PART A: SEND TO DISPOSER'S S	TATE			DOCUM	ENT	NO. NJ	UU	<u> </u>	116
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GENERATOR'S CERTIFICATION: This	is to certify that the at	ove named m	naterials	are properly classif	fied, d	escribed, marke	ed and lab	elled ar	nd are in proper
condition for transportation according to	the applicable regulation	ons of the Dep	partmer	nt of Transportation	, U.S.	EPA and the S	tate. The v	wastes (described above
were consigned to the Transporter named permit to do so. I certify that the foregoin	g is true and correct to t	the best of my	knowl	edge.	putne	snipment or n	azardous	waste,	and has a valid
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over sheet for instructions.

STATE OF NEW JERSEY

DEPARTMENT OF ENVIRONMENTAL PROTECTION

HAZARDOUS WASTE MANIFEST

Please TYPE all information. 0023973 DOCUMENT NO. PART A: SEND TO NEW JERSEY BUREAU OF HAZARDOUS WASTE PHONE (INCLUDE AREA CODE) EPA ID NO. GENERATOR NAME ALLIANCE CHEMICAL ADDRESS (STREET - CITY | STATE - ZIP CODE) 33 AVE P NEWARK 0765 PHONE (INCLUDE AREA CODE) EPA ID NO. 201-694-0545 TRANSPORTER NO.1 NJT 000008953 SERVICES ADDRESS (STREET - CITY STATE -07869 ANDOLPH Boy 422 PHONE (INCLUDE AREA CODE) EPA ID NO. TRANSPORTER NO. 2 ADDRESS (STREET - CITY - STATE - ZIP CODE) PHONE (INCLUDE AREA CODE) EPA ID NO. TREATMENT, STORAGE OR DISPOSAL (TSD) FACILITY SCD070375985 803-452-5003 CHEMICAL DERVICES SITE ADDRESS (STREET - CITY - STATE - ZIP CODE) , J.C. WENOOD IF MORE THAN TWO TRANSPORTERS ARE TO BE UTILIZED, FILL OUT THE FOLLOWING AS APPROPRIATE OF A TOTAL OF_ THE FIRST MANIFEST DOCUMENT NO. IS THIS FORM IS NO. CONTAINERS EPA PROPER US DOT US DOT UN NET **EPA** FORM UNIT HAZ HAZARD CLASS SHIPPING NAME NUMBER QUANTITY **WASTE TYPE** NO. TYPE CODE SPENT ACTIVATED CARBON Now HAZ. 0, 0, 0, 0 0. AND FISCR AID - NOS 0,0 2. 3. 4. 5. 6. SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (i.e. IDENTIFICATION OF ADDITIONAL WASTES INCLUDED IN SHIPMENT OF A NONHAZARDOUS NATURE WHICH DO NOT HAVE TO BE MANIFESTED) NONE GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, marked and labelled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter named. The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge. GENERATOR'S SIGNATURE DATE SHIPPED EXPECTED ARRIVAL DATE 13,0 PLANT MANAGER 81 DAY MO. DAY

TRANSPORTER NO. 1 VEHICLE ID NO.

DATE RECEIVED

See cover sheet for instructions. Diagram TYPE all information.

DEPAREMENT OF ENVIRONMENTAL PROTECTION

PART A:	· · · · · · · · · · · · · · · · · · ·			DOCUME	NT NO	. NJ	UUZ	(39	/ 4
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.a VHW-001 (10/80)

See cover sheet for instructions.
Please TYPE all information.

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

ART A: SEND TO NEW JERSE	Y BUREAU OF HAZA	RDOUS WA			DOCUM			NJ		239		
GENERATOR NAME	as luc.		PHONE	(INCLU	DE AREA -234	CODE	EPA ID	NO. 0	45	79	4.9	7.71
ALLIANCE CHEMIC			201-	- 344	-237	,	100	0,0	10	1/	<u> </u>	
33 AVE P. NEWA	A 1 95	7105					_					
TRANSPORTER NO. 1 Services	(SCA)		PHONE 20/	-69	4-05	95°	EPA ID	7 0	00	0,0	8	7.53
BOX 422, R.D. 4	ZIP CODE) I, KANDOLAH	N.J.					,					
FRANSPORTER NO. 2	,		PHONE	IINCLU	DE AREA	CODE	EPA ID	NO.				
ADDRESS (STREET - CITY - STATE -	ZIP CODE)						•					
SCA CHEMICAL	— ·		PHONE	3-4	DE AREA	CODE)	S C	DO.	70	3,7	59	i 85
PINEWOOD, S.	TE - ZIP CODE)	125										
F MORE THAN TWO TRANSPORTER							TAIR	_1				
PROPER US DOT	US DOT	UN	T		NO. IS	 		NTAIN	ERS	EPA	<u></u>	PA
SHIPPING NAME	HAZARD CLASS	NUMBER	FORM	QUAN		UNITS			TYPE	- MAT!	_	ETYPE
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PECIAL HANDLING INSTRUCTION HIPMENT OF A NONHAZARDOUS N						TION	OF AC	DITION	IAL WA	STES I	NCLUE	DED IN
NONE	-											·
ENERATOR'S CERTIFICATION: This condition for transportation according the ere consigned to the Transporter name ermit to do so. I certify that the foregoing that the foregoing the condition of	to the applicable regulation the Treatment, Stora	ons of the Dep ge or Disposal	artment Facility	of Trans	sportation	1, U.S.	EPA an	d the Sta	ite. The i	wastes d	escribe	d above
SENERATOR'S SIGNATURE		PLANT	Mai	2000	DATES	HIPPE	5:	811	EXPECT OF	TED AF	6	L DATE
Nous Henry	5				MO.	DA		YR.	MO.	DA		YR.
PRANSPORTER NO. 1 SIGNATURE	aple .			S w	0.1 VEH	Y	5 NO.		MO.	DA	5	YR.

Form VHW-001 (10/80)

10 BE TYPED IN BY GENERALON

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

Please TYPE all information.

PART A: SEND TO GENERATOR'	S STATE	: :		росим	ENT	NO. NJ	UUS	<u>880</u>	4!)
GENERATOR NAME	,	1.		VE (INCLUDE AREA COD	E)	EPA ID NO.		79	1071
ALLIANCE CHEMICAL ADDRESS (STREET - CITY - STATE -Z		<u> </u>	201	- 344-2344		WISD	y 12 1	///	419171
33 Avs P NEWARK	. * .	105							•
TRANSPORTER NO. 1' RAR SERVICES (SC				IE (INCLUDE AREA COD		EPA ID NO.		0.0	8191513
ADDRESS (STREET - CITY - STATE - Z	(IP CODE)		201	1-694-0595		V 10 17 10		0 0	<u> </u>
Box 422 RD #4 R				· · · · · · · · · · · · · · · · · · ·			<u> </u>		
TRANSPORTER NO. 2			PHON	IE (INCLUDE AREA COD	E)	EPA ID NO.	1 1 1	~ ا ا	
ADDRESS (STREET - CITY - STATE - 2	CIP CODE)			· · · · · · · · · · · · · · · · · · ·		:			
TREATMENT, STORAGE OR DISPOSA	L (TSD) FACILITY	, , , , , ,	_	IE (INCLUDE AREA COD		EPA ID NO.			<i></i>
SCA CHEMICAL SER	VICES		fu:	3-452-5003	•	519010	17101	317	1519185
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PROPER US DOT SHIPPING NAME	US DOT HAZARD CLASS	UN NUMBER	FORM	NET QUANTITY	UNITS			EPA HAZ	EPA WASTE TYPE
1 SPENT ACTIVATED CARBON	TIALAND CLASS	Nomber		GOARTIN	-	NO.	TYPE	CODE	
1. AND FICTER AID , NOS.	NON-HAZ		2	21010100	3	0.01	06		
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SPECIAL HANDLING INSTRUCTIONS SHIPMENT OF A NONHAZARDOUS N	INCLUDING CONTA	INER EXEMP	TION BE MA	(i.e. IDENTIFICATI	ON	OF ADDITION	NAL WAS	TES IN	ICLUDED IN
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NONE.						•			
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GENERATOR'S CERTIFICATION: This	is to certify that the above	ve named mate	rials ar	e properly classified,	descr	ibed, packaged	, marked a	nd labe	lled and are in
proper condition for transportation according above were consigned to the Transporter									
valid permit to do so. I certify that the foregoing	ng is true and correct to th	e best of my kn	owledg	e.			·		
GENERATOR'S SIGNATURE - ALSO PI		TITLE		DATE SHI	PPE	D	EXPECT	ED AF	RIVAL DATE
William Henry Will	AM HENNING	PLANT M.	ANA	ER OF			MO.		4 8 1
TRANSPORTER NO. 1 SIGNATURE AN OF RECEIPT OF SHIPMENT - ALSO PR		TRA	NSPOR	RTER NO. 1 SWA REG	SISTA	ATION NO.	DATER	ECEIV	ED
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Page# 1 of 1

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF HAZARDOUS WASTE GENERATOR'S ANNUAL REPORT FOR YEAR OF 1981

1. GENERATOR'S NAME Alliance Chemical Inc.	2 EPA ID NO. NJD04579497
3. ADDRESS 33 Avenue "P", Newark, New Jersey 0	7105
4. TRANSPORTER'S NAME R & R transportation Service	ce (SCA) 5.EPA 1D NO. NJT000008953
6.ADDRESS Box 42, RD #4, Randolph, N. J. 0780	<u>L</u>
7. FACILITY'S NAME SCA Chemical Services	8.EPA ID NO. NYD040836679
9.ADDRESS 1135 Balmer Road, Model City, New Yor	rk 14107
O.MANIFEST NO. DESCRIPTION OF WASTE DO	OT HAZ.CLASS QUANTITY UNITS EPA WASTE TYPE REJECTED
NJ0058842 Spent activated carbon and No filter aids	on-hazardous 25,000 Lbs. Non-hazardous

⁻ FLACE AN "*" UNDER THE REJECTED COLUMN FOR THOSE MANIFESTS REJECTED BY FACILITY.

Form VHW-001 (10/80)

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

Please TYPE all information.

	PART A: SEND TO GENERATOR	SSIAIE			DOCUM	ENI	NO. NJ	OU) () ()	7 12			
1	GENERATOR NAME	,		PHON	E (INCLUDE AREA COL		EPA ID NO.						
1	ALLIANCE CHEMICAL	INC .		201	-344-2344	<u>/</u>	NIJDIO	14 5	79	4971			
ł	ADDRESS (STREET - CITY - STATE -Z	•											
ı		N.J. 07105						···					
ı	TRANSPORTER NO. 1				E (INCLUDE AREA CO		EPA ID NO.		<u> </u>	066			
1	RAR SERVICES (JCA)	<u>-</u>	201	-694-0595	5	$N_1J_1J_1$		00	1895			
I	ADDRESS (STREET - CITY - STATE -		1-				•						
I	Box 422, RD #4, K	PANDOLPH, N	1.0.										
ı	TRANSPORTER NO. 2	,		PHON	IE (INCLUDE AREA COI	DE)	EPA ID NO.						
ı	- DDD FOO (DTDEET OUT) CTATE	110 00051		<u> </u>			<u> </u>	<u> </u>		1_1_1_			
ı	ADDRESS (STREET - CITY - STATE - 2	IP CODE)						•					
ł	TREATMENT, STORAGE OR DISPOSA	L (TSD) FACILITY		IPHON	E (INCLUDE AREA COL	252	EPA ID NO.						
ł		ERUICE S	•	50	3-452-500	2	5 (5, 5)	7.0	3.7	598			
ł	SITE ADDRESS (STREET - CITY - STA	TE - ZIP CODE)		100.	3 13 2 300	<u> </u>	· · · · · · · · · · · · · · · · · · ·		<u> </u>				
1	PINEWOOD, S.C.	29/25		-	•		, •						
ł			, FILL OUT	THE FO	LLOWING AS APP	PROP	RIATE						
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	SHIPMENT OF A NONHAZARDOUS N	ATURE WHICH DO NO	OT HAVE TO	BE MA	NIFESTED)			٠.					
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1	GENERATOR'S CERTIFICATION: This	is to certify that the abo	ve named mat	erials ar	e properly classified.	descri	bed, packaged,	marked a	nd labe	illed and are in			
ı	proper condition for transportation accord above were consigned to the Transporter												
1	valid permit to do so. I certify that the foregoi					вссері	the shipment	Or Hazard	JUS Wa	sie, and nas u			
	GENERATOR'S SIGNATURE - ALSO P	RINT SIGNATURE	TITLE		IDATE SH	IDDE	· · · · · · · · · · · · · · · · · · ·	EXPECT	TED AI	RRIVAL DATE			
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1	WILLIAM HONNING		PLANT	Ma	MO	DA	/ 0 / YR.	MO.		AY YR.			
J	TRANSPORTER NO. 1 SIGNATURE AN	ND CERTIFICATION			TER NO. 1 SWA RE			DATER					
1		RINT STCHATURE		U.S.	5WA53	>.4		11//	NK	11811			
1	Leavis lauste			-101	<u>- - </u>			MO.	⊐ =	AY LOHA			
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Confirmed 12/17/80

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

See cover sneet to	r instructions.
Please TYPE all in:	formation.

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PART A: SEND TO DISPOSER'S S	TATE			DOCUME	ON TH	. NJ	_0003	908
GENERATOR NAME	· · · · · · · · · · · · · · · · · · ·	•	PHONE (INCLU					
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ADDRESS (STREET - CITY - STATE - ZI								
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ADDRESS ISTREET - CITY - STATE - ZI	Canto CA	V.J. 1	731.9	•	ĺ			ĺ
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			201-659			<u> </u>		<u> </u>
ADDRESS (STREET - CITY - STATE - ZI	P CODE)	······································	· · · · · · · · · · · · · · · · · · ·			······		
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TREATMENT, STORAGE OR DISPOSAL			PHONE LINCLE	JDE AREA CO	DOE) EPA	A ID NO.		 أسرير: "درجة -
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PROPER US DOT	US DOT	UN	N	FT		CONTAIN		EPA
SHIPPING NAME	HAZARD CLASS	NUMBER	IEODIA.	NTITY	UNITS	NO.	TYPE CODE	
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SPECIAL HANDLING INSTRUCTIONS SHIPMENT OF A NONHAZARDOUS NA	TURE WHICH DO NOT	HAVE TO BE	MANIFESTE	(NTIFICATI	ION OF	ADDITION	IAL WASIES	INCLUDED IN
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GENERATOR'S CERTIFICATION: This	is an anadifu that the ab	ove named m	starisle are prop	arly alareifi	od deser	ihad marka	d and labellad a	
condition for transportation according to	the applicable regulation	ns of the Dep	artment of Tran	sportation,	U.S. EPA	A and the Sta	ite. The wastes	described above
were consigned to the Transporter named permit to do so. I certify that the foregoing	. The Treatment, Storages is true and correct to the	te or Disposal he best of my	Facility can an knowledge,	d will accep	t the shi	pment of ha	zardous waste,	and has a valid
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GENERATOR'S SIGNATURE	1	TITLE	_	DATESH	IIPPED	ا جينا	EXPECTED A	RRIVAL DATE
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TRANSPORTER NO. 1 SIGNATURE AN	D-CERTIFICATION	J. TR	RANSPORTER	NO. 1 VEHI	DAY CLE ID I	VO.	MO. D	AY YR.
OF RECEIPT OF SHIPMENT		112	15511	77/1	نهرسر	ا التغيري	1/ 211/	7116-21
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Ferm VHW-001 (10/80)

TO THE PERMENATION

STATE OF NEW JERSEY

See cover sheet for instructions. Please TYPE all information.

DEPARTMENT OF ENVIRONMENTAL PROTECTION HAZARDOUS WASTE MANIFEST

PART A: SEND TO DISPOSER'S S	TATE	·		DOCUME	NT NO.	NJ	<u> UU</u>	<u> </u>	<u>J4</u>	
GENERATOR NAME)		PHONE IINCL	_			أسم أدر	76 :		
ALLIANCE CHEMICA ADDRESS ISTREET CITY - STATE - 21	92 /22		201-344-2	2344	100	JUIC	7 2	1714	971	
ADDRESS (STREET - CITY - STATE - 2	IP CODE!	مد در ۵ م								
33 Ave P , News		07105	PHONE HINCL	LIDE AREA CO	SEVIEPA	ID NO.				
THANSPORTER NO. 1	See 2010 /50	A)	201-69	4-0545	نبراعظ	JITIC	100	0,0,5	753	
ADDRESS (STREET - CITY - STATE - Z	IP CODE)									
Box 422. R.D. No.	4, RANDULF	OH N.	ア ロス	わり						
THANSPORTER NO. 2			PHONE (INCL	UDE AREA CC	DEI EPA	ID NO.				
	···			•						
ADDRESS (STREET - CITY - STATE - Z	IP CODE)					,				
	1 (TOD) 5 4 011 1TV		DUONE		EPA	ID NO				
TREATMENT, STORAGE OR DISPOSAL SCA CHEMICAL SC.		1	803 - 45	UDE AREA CO	2 5		7:0	7.74	-535	
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IF MORE THAN TWO TRANSPORTERS ARE TO BE UTILIZED, FILL OUT THE FOLLOWING AS APPROPRIATE										
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1. of 5 -ca Ana No.	Non-HAZ		12 12 5	0,00	1311		12.6	1 111		
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SHIPMENT OF A NONHAZARDOUS NA	TURE WHICH DO NOT	HAVE TO BE	E MANIFESTE	D }						
NONE										
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GENERATOR'S CERTIFICATION: This condition for transportation according to	is to certify that the ab	ove named m	aterials are prop	perly classifie	ed, descri	bed, marke	d and lab	elled and	are in proper	
were consigned to the Transporter named	1. The Treatment, Storag	ge or Disposal	Facility can an							
permit to do so. I certify that the foregoin	ig is true and correct to t	he best of my	knowledge.							
GENERATOR'S SIGNATURE	·	TITLE		DATE SH	IPPED		EXPECT	ED ARR	IVAL DATE	
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TRANSPORTER NO. 1 SIGNATURE AN OF RECEIPT OF SHIPMENT	ID CERTIFICATION	TF.	ANSPORTER	NO 1 VEHIC	CLE ID N	10.	DATE	RECEIVE	D ,	
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See cover sheet for instructions.
Please TYPE all information.

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

PART A: SEND TO NEW JERSEY	BUREAU OF HAZA	RDOUS WA	STE	DOCUM	ENT NO	. NJ	000	<u>)390</u>	13		
GENERATOR NAME	1 -			NCLUDE AREA C		ID NO.	4 6	700	6 7		
ALLIANCE CHEMICAL ADDRESS ISTREET - CITY - STATE - ZI	INC		201-39	44-2344	W	JUD	17 12 1	1799	971		
33 AVE P, NEWARK		7105									
TRANSPORTER NO. 1 R & R SANITATION SEA	,		201-6	NCLUDE AREA C 594-059	SODE) EPA	JID NO.	00,	008	-19 15 3		
BOX 422, R.D. No 4	IP CODE)	15.	7869	•				•			
TRANSPORTER NO. 2				NCLUDE AREA C	ODE) EPA	ID NO.					
ADDRESS (STREET - CITY - STATE - ZI	IP CODE)		l								
TREATMENT, STORAGE OR DISPOSAL (TSD) FACILITY SCA CHEMICAL Service Co. PHONE (INCLUDE AREA CODE) EPA ID NO. 803-452-5003 SCD10171031715191815											
SITE ADDRESS (STREET - CITY - STAT	SITE ADDRESS (STREET - CITY - STATE - ZIP CODE) PINE WOOD , S.C.										
IF MORE THAN TWO TRANSPORTERS ARE TO BE UTILIZED, FILL OUT THE FOLLOWING AS APPROPRIATE											
THIS FORM IS NOOF A TOTAL OF THE FIRST MANIFEST DOCUMENT NO. IS NJ											
PROPER US DOT	US DOT HAZARD CLASS	UN NUMBER	FORM C	NET DUANTITY	UNITS	NO.	TYPE	EPA HAZ CODE	EPA ASTE TYPE		
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GENERATOR'S SIGNATURE		TITLE		DATE SH	HIPPED		EXPEC	TED ARR	IVAL DATE		
arthur Busman	V	Tech D	ji.	MO.	20 DAY	8 0 YB	MO.	12 /	80		
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				-							

10. MANIFEST NO DESCRIPTION OF WASTE DOT HAZ.CLASS QUANTITY UNITS EPA WASTE TYPE REJECTED ONLY IN-GROUND NEUTRALIZATION OF AQUEOUS PROCESS WASTE WHICH FLOW DIRECTLY INTO THE PASSAIC VALLEY SEWER AUTHORITY.

* - PLACE AN "*" UNDER THE REJECTED COLUMN FOR THOSE MANIFESTS REJECTED BY FACILITY.

1/13/84

Department of Environmental Protection Division of Waste Management Bureau of Hazardous Waste Classification and Manifest

NOD 045794971		TCN						
EPA ID number	(If one was issued)						
GLLJAMCE Company Name	Chamical Inc.	201-344 Phone N	2344					
Lompany Name		rnone N	ambet					
33 AVE P Street Address	·							
Street Address								
NewarK City	ESSEX	New Jersey	1 07/05					
Lity	Lounty	State /	21p					
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Emergency Phone	+ 1 - +2	_						
cla ground tank	neutralization of	aquems proces	preams.					
Generator Company Type (Plea	Transporter se check that which	Facility	mnany					
company typo (trea	SO CHOCK CHOC WILLIAM	applied to your con	mpany,					
~ ~	·							
2865 SIC Code								
316 6006	,		•					

: To: Jud Merl

From: Richard D. Leonard

February 7, 1969

Subject: Alliance Plant - Sewerage Discharge

In order to establish the approximate sewer discharge rates from the Alliance Plant a 60° V-Notcaed Weir was installed across the creek handling the plant sewerage. The flow to the acid pond was blocked off during the measurement period.

Readings and samples were taken every 4 hours from Jan 23rd tarough Jan 31st (weekend excluded). From tais work flow and pH conditions of our plant discharge were estimated.

The flow ranged, for the most part, between 70 gpm and 112 gpm and the pH was alkaline for long periods and acid for long periods. But even low (acid) pH readings were brought to pH 6-7 with very little treatment - 1 gram 50% caustic per gal of swwerage.

Readings have now ceased and the weir has been removed from the creek. The attached tabulation and visual plot of the readings will give a complete picture of the survey.

Mr. Ready of the Passaic Valley Sewerage called on Jan. 16, 1969 and was interested in the results of the "up coming survey." I will await word from you before corresponding with him.

SURVEY DATA FROM CREAK

Date Time GPM 1-23 3 PM 29 1-23 4 PM 29 1-23 8 PM 29	<u>pH</u> 9.9 11.3 2.6	Date Time CPM 1-27 8 AM 20 1-27 12 AM 71 1-27 4 PM 71	<u>pH</u> 6.0 9.5 1.0	Date Time 1-29 4 AM 1-29 8 AM 1-29 12 AM	GPM pH 80 1.0 71 11.0 71 5.5
1-23 12 PM 80	7.7	1-27 8 PM 124 1-27 12 PM 100	1.0	1-29 4 PX 1-29 8 PX	112 5.5
1-24 4 AM 80 1-24 9 AM 71	9.8 7.7	1-28 4 AM 90	3.0	1-29 12 PM	164 5.5
1-24 1 PM 100 1-24 4 PM 71	11.6	1-28 8 AM 80 1-28 9 AM 112	3.0 5.0	1-30 4 AN 1-30 8 AN	112 1.0 100 1.0
1-24 8 PM 90 1-24 12 PM 71	8.0 12.0	1-28 12 AM 100 1-28 4 PM 100	1.0	1-30 1 PM 1-30 4 PM	71 1.0 71 9.0
1-25 4 AM 112 1-25 8 AM 71	5.6 4.0	1-28 5 PK 41 1-28 8 PK 112 1-28 12 PK 136	8.0 8.0 8.0	1-31 8 AM 1-31 4 PM	112 2.0 112 5.0
1-2) U AR (1	4.0	a-40 at 14 aje	0.0	1-31 8 PM 1-31 12 PM	212 5.0 112 5.0

cc: CP Motta, Jr.

•
Physical State
(1-5)
1. Solld
2. Liquid
3. Slurry
4. Sludge
Containerized gas
Waste Properties
Waste Properties (6-18)
6. Carcinogenic
7. Mutagenic
8_Teratogenic
(9) Corrosive
TO. Explosive
11. Flammable
(12) Irritant
13. Strong Sensitizer
14. Toxic
C15. Radioactive
16. Infectious
17. Requires Special
Handling
18. Other (Specify)
Storage Prior to Disposal
(19-25)
19. Open Yard
20. In Building
21. Barrels or Drums (Metal)

Storage Prior to Disposal (19-25) 19. Open Yard 20. In Building 21. Barrels or Drums (Metal 22. Charles or Strong (Non-Metal) 23. Tanks or Silos (Closed) 24. Pits, Lagoons, Open Tanks 25. Other (Specify)

WASTE SURVEY KEYS	•
Treatment Prior to Disposal	Frequency of Disposal
(31-58)	- (59-65)
Volume Reduction	59. Continuous
31. Compacting	60. Daily
32. Composting	61. Weekly
33. Crushing	62. Monthly
34. Digestion	63. Quarterly
35. Evaporation	64. Annual
36. Incineration	65. Random (spills, etc.)
37. Lágooning	
38. Shredding	Disposal Points
	(66-67)
Treatment Processes	66. On-site Disposal
	67. Off-site Disposal
Physical	•
39. Adsorption	Disposal Method
40. Clarification	(68-
41. Filtration	68. Composting
42. Flocculation	69. Evaporation
43. Flotation	70. Holding Tank or Pond
44. Gravity Separation	71. Incineration
	72. Injection Well
Chemical	73. Land Burial
45. Coagulation & Chemical	74. Land Spreading
Precipitation	75. Ocean

46. Ion Exchange

Biologial

48. Neutralization

51. Activated Sludge 52. Anaerobic Digestion

53. Oxidation Ponds

S4. Trickling Filters

Reclamation Processes

55. Material Recovery

56. Energy Recovery

57. Recycle of Waste

58. Other Treatment Process

(Specify)

47. Membrane Processes

49. Oxidation-Reduction
 50. Precipitation

. Other (Specify)

77. Sanitary Landfill

78. Chemical Landfill

79. Surface Water

76. Recycling

STATE OF NEW JERSEY

DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOLID WASTE ADMINISTRATION
INDUSTRIAL WASTE SURVEY

GENERAL INSTRUCTIONS

- This questionnaire should be completed by that technical person or persons most familiar with the plant processes and the associated process wastes. Answers should be given to the best of your knowledge and belief.
- (2) If additional forms are required, contact the New Jersey Solid Waste Administration office in Trenton. Please complete a separate questionnaire for each branch facility producing waste within New Jersey. If additional space is required to complete Question 13, please reproduce that page.
- (3) Question 13 In determining "hazardous constituents" of each waste use the definition included in Question 12 for guidance, but do not include those items reflected in preceding column.
- (4) Questions 14 and 15 If more than one disposal facility is utilized, please supply the requested information for each facility using additional sheets.
- (5) Question 16 If you anticipate producing more than one new waste stream, please supply the requested information for each waste stream using additional sheets.

EXAMPLE

13. Current Industrial Waste Characteristics and Management Practices

Process (General)	Associated Waste	Esti	mated Quar	ntities	Wet &	"Hazardous	Physical State 1-5	Waste Properties 6-18	Storage Prior to Disposal	Special Handling 26-30	Treatment Prior to Disposal	Frequency of Disposal 59-65	Disposal Point 66-67	Disposal Method 68-	Remarks
		Tons/Yr	[Cu_Yds/Yr	Gal/Yr	Constituents (Incl. water)	Constituents" ppm		0-10	19-25	20-30	31-58	39-03	00-07	1 00-	
A. Metal Finishing	1. Chromic Acid			125,000	Water - 20% Chromic Acid - 80%	·	4	6,9,12,	24	27,28	37,45,48	59	67	78	<u>.</u>
	2. Chromium Salts			110,000	Water - 30% Cr ³⁺ Salts 65%		4	12,14	24	27,28	37,45,48	59	67	78	
	3. Pickling Liquor			205,000 i	Water - 30% H2SO4 - 50% A1 - 40%	Pb - 500 ppm	2	9,14	24	27,28	37,45,48	59	67	78	
				*. *		`						,			
B. Paint Manufacture	1. TiO ₂ Studge			150,000	TiO ₂ - 40% Water - 55%	Pb - 1000 ppm	4	14 250	24	27	37	61	66	69	
	2. Cr ⁺⁶ Salts			50,000	Water - 40% Cr6+ - 1% Water - 60%		4	6,14	24	27	37,49	61	66	69	
	3. Selenium Compounds			5,000	Se Salts 25% Organics 2%	10 ppm Poly- chlorinated Biphenyls	4	14	24	27	37	61	66	69	
									,						
C. Industrial Laundry	1. Organic Waste Liquid			40,000	10% 0 i i 60% Water	25 ppm Tri- Chloro. Ethylene	2	6,14	23	27	None .	60	67		Will be dis- continued by June 1977
	2. Freon 113		: 1	10,000	50% Organics 30% Water 20% Dil &	1000 ppm: Freon	ż	6,14	23 .	27	None	60	67		
					2.										
di di	t _e														
					27 2. V	:									
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Notes:

1. Please refer to insert (Key list and completed sample of the table) for guidance.

2. Please use the keys for guidance in completing Item No. 13. Use one or more key numbers, as appropriate, when completing each section of the table.

14.	On-Site Disposal Facility (No on-site disposal)
	Landfill or land disposal Incinerator Other (Specify)
	Associated waste numbers, from Item 13
	Description of Facility
	If on-site landfilling or land disposal has ever been used, indicate years of use (19 to 19).
15.	Off-site Disposal Facility (No off-site disposal)
	Landfill or land disposal x Incinerator Ocean Other (Specify)
	Associated waste number, from Item 132
	Description of facility
	Location: City or Town County Zip Code
	Name of Hauler
	Address of Hauler
,-	Alternatives for ocean disposal
	If off-site disposal practices have been changed in the past 12 months, indicate names and addresses of
	previous hauler and disposal facility.
16.	New Industrial Wastes
•	Do you expect to produce new types of waste during the next calendar year (as a result of water pollution or air pollution controls, plant expansion, change of product, process modification, etc.). Yes No No If yes_ please indicate:
•	General process
	Associated waste
	QuantityUnits
	Constituents of waste
	Method of disposal.

State of New Jersey Department of Environmental Protection Solid Waste Administration P.O. Box 2807 Trenton, New Jersey 08625

Industrial Waste Survey

	•	Please Type or Print	Peb. 22, 1977
1.	Name of Firm (or Establishment)	ALLIANCE CHEMICAL INC	•
2.	Mailing address33 Aver	nue P	
3.	City or Town	County	77105 Zip Code
4.			
5.	Telephone number: Area Code (201	/609)	- ''
В.	Name and Title of person completing	g form Richard D. Leona	rd/ Plant Manager
7.	Name and Title of chief executive of	Albert Bendelius	/ Board Chairman
8.	Industry type: Manufacturing	.Storage/Break Bulk Dist	ributionOther (Specify)
9.	S.I.C. Number (5 Digit)	10. Number of en	nployees45
11.	Principal products manufactured, st	ored, processed or sold	Dyestuffs, Intermediates
12.	and/or constituents: Flammable-ch Heavy Metals,	strial wastes* having any of the emical, Corrosive, Explosive, C Halogenated Hydrocarbons, C	o following properties Carcinogenic, Infectious, Radioactive, Generates Pressure,
		izer, Toxic, Mutagenic, Teratog	enic, Special Handling Requirements
	Yes_x_No		

If you answered Yes to Item 12, please complete the remainder of the form

If you answered No to Item 12, please return partially completed form.

^{*}Any discarded materials resulting from industrial or commercial processes including all liquid, semi-liquid, or solid wastes and containers contaminated with process materials, but exclusive of non-process wastes, such as on-site cafeteria, office paper wastes, or NPDES discharges.

13. Current Industrial Waste Characteristics and Management Practices

Process (General)	Associated Waste		mated Qua		Wet % Major Constituents (Incl. water)	ts of Waste Basis "Hazardous Constituents" ppm	Physical State 1-5	Waste Properties 6-18	Storage Prior to Disposal 19-25	Special Handling 26-30	Treatment Prior to Disposal 31-58	Frequency of Disposal 59-65	Disposal Point 66-67	Disposal Method 68-*	Remarks
Mfg. Dyestuffs & Intermediate	. Process & s Plant wastes			29,500,0	1.7% solid organic & inorgan 0.4% volat	none c	2	9,12,14	21,	none	37,48	59	66	Sanitar Sewer	7
	,				97%+ water	lles	-		·		r				
	2. Organic sludge		700		95% inerts (activated	none carbon	4	9,12,14	-21	none	none	61	67	78	
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Notes:

1. Please refer to insert (Key list and completed sample of the table) for guidance.

2. Please use the keys for guidance in completing Item No. 13. Use one or more key numbers, as appropriate, when completing each Section of the table.



TOS

George Shulman

DATE: April 14, 1967

FROM:

R.M. Cole

SUBJECT: STORM DRAINAGE PROBLEMS AT NEWARK

History:

The past six months of relatively heavy rains has inundated the complete plant sites to such an extent that. there has been a partial curtailment of operations during some of these rains. A study has been initiated as to the why of this situation, and it was to culminate in proposals for alleviating the conditions. The original plant ditch that ran east to west from the west side of the Newark plant to the stream adjacent to the turnpike was abandoned in favor of a twelve inch diameter drain line some time in 1966. For the present conditions at the Newark plant, this drain appears to be under-sized. The line cannot take the full run off during the heavy rains, and the resultant water has backed up into plant buildings to levels of twelve to eighteen inches. A survey of this situation indicates that part of this situation can be alleviated by the installation of a catch basin at the southwest corner of the plant so as to drain that portion of the plant to the stream via an

existing six inch "sulfite line". This work is proceeding and should be completed by the week beginning April 17.

Further survey indicates that the higher elevation areas to the south and east of the Newark plant site drain directly through the production areas at Newark. In addition to this, it has also been observed that during the heavy rains experienced, the flooding of the Sun Chemical property to the east of the Newark plant raises the water table, and the hydrostatic pressure therefrom, to such a degree that there is a percolation of water up through the holes in the asphalt concrete in the areas immediately north of the warehouse.

We have observed pressures of such a magnitude so as to push water streams as much as four inches above top of concrete.

Charles Motta, Sr., on questioning, has related that there have always been some drainage problems but never to the extent that they have experienced over the last six months. In reflection of the fact that there has been a drought period for the whole northeast for the last seven years, it is surely probable that the prior conditions existed but were not seen in full intensity. Also, it is probable that the open east to west ditch that has since been abandoned, was large enough to take these run offs without back up and that actually we were still draining the whole area through the plant but at a reasonable condition as to hold-up of water within the plant confines.

Recent discussion with Mr. Robert Riglian of Sun Chemical discloses the following:

- 1. That originally, as much as five years ago, the Alliance plant site was approximately one foot above most of the surrounding area.
- 2. Approximately three years ago, the owner of the junk yard to the south of the Newark plant site started filling his properties to bring them to the existing elevation, which is approximately four to five feet above what they were originally. Since this is a rather extensive area, it is really this that has added to the problem.
- 3. That within a two year period, the Urban Development people had required Sun Chemical to demolish the abandoned buildings on the two acres of the Newark plant site, and in doing so, an additional requirement was added to build that site to as much as eighteen inches above the old grade.
- 4. Avenue P has had work done on it within the last two years that included the installation of an extension of additional water mains and underground sewers (to which, by the way, Alliance is not connected). The new sewer is very close to the surface, such that Sun Chemical actually has to pump into it and part of the extension of said sewer into the Sun property is actually above grade.
- 5. The Urban Renewal people have planned as part of their development program a network of roads in

that area. Avenue P has been extended to the south as a dirt road. Its final routing is still indeterminate as far as the Sun people are concerned. at this point. An additional road is also planned adjacent to the railroad tracks running east to west from Avenue P curving, as the intersection is made with the turnpike, to the south and proceeding parallel and adjacent to the turnpike all the way to Wilson Avenue about three miles to the south and west. It is obvious that if such a plan becomes a reality, there would have to be either abandonment or relocation of the existing ditch or stream that runs along the west side of the Newark plant site. This would have serious consequences to the drainage and waste disposal problems as they exist today at Newark.

This information was new to this writer. He now plans to review with Sun Chemical Divisional Engineering the complete picture as they know it, and also to get an assessment of what their position is on this, and as to whether or not Sun and Pfister could jointly approach the Urban Development people for some resolution of these problems, part of which have been made by the programs implemented by the Urban Development people and part that have been made by the owners of the surrounding properties.

Recommendations for Immediate Implementation:

The following conclusions and recommendations are made for immediate implementation, although recognized as partial solutions to the drainage and flooding problems:

- 1. Immediately abandon the use of the dirt road at the south plant perimeter. Construct a ditch or a dike depending, upon the decisions made by Sun Chemical, along the east side of the plant perimeter, for the complete length of the property line, terminating on the north at a catch basin from which will extend a twenty-four inch concrete culvert under the road, to join up with the open stream that presently runs east to west on the north side of the railroad embankment. The cost of the work, whether a ditch or a dike, is estimated to be \$4,250.
- 2. Repair and regrade the asphalt concrete area north of the warehouse at the entrance to the plant.

 This requires that a minimal of four inches of asphalt concrete be added to the existing and pitched so as to divert the water accumulated in the low areas to the existing plant drains and to the new proposed catch basin. The estimated cost of this work is \$1,500.

Comments:

According to Sun Chemical, obviously there are many problems that have developed with this Urban Renewal group

that are unknown to this writer. I therefore would solicit from other members of the company any available information as to the conditions in that area as we know them. I further recommend that we have a meeting on this and try to formulate what our position is, not only as to drainage but relative to what we can develop as a total picture of what is required of us under this new Urban Development program.

As to the overall drainage problems, it appears that we have, by default, allowed ourselves to get into a position that is rapidly growing untendable. If the Urban Development people have committed to this new sewer, it appears they have done so without much detailed conversation with Pfister or Alliance (prior to Pfister). At best, it appears that we would be in a position that if we were forced to abandon the stream, we would have to use the sewer. This being the case, there would be extensive work required because now there would be a detailed method of monitoring our waste as well as our run off. It appears also that this will be a combination sewer, which would require neutralization of all our waste streams plus the required pumping equipment to lift this into the proposed sewer. If such a program were to become a reality, it is hard to conceive that we could comply with the obvious requirements at costs under \$50 to 60,000.

I look forward to your comments on this subject.

RMC:mz

cc Executive Committee Operating Committee

Ed O'Connor Charles Motta, Jr.

	ER CHEMICAL INC.	•						- CHIL	
ENGII	NEERING DIVISION	-ر	TAG	E 4/3/6	7		PAGE		
LODE No.	DESCRIPTION	QUARTITY	UHIT COST	ESTIMATED COST	TOTAL COMMITTED	TOTAL :	FUTURE COMMINEUTS	CURRENT TOTAL EST. COST	OVET
1	Soil DIKE	600'		2000	*				
2	COTCH BASIN - 4'BY 4'BY 4'	ک	200	1000					
3	Road Repaires -	ころした		200					
4	Curvary - ZA" &	15001		1020		1			
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PASSAIC VALLEY SEWERAGE COMMISSIONERS DEPARTMENT OF SANITARY CONTROL

ALLIANCE CHEMICAL INC

1-8-70

642-66

33 Avenue P, Newark, New Jersey 07105

Richard D. Leonard, Plant Manager

Dye Intermediates for Textile Industry

55

Process, Sanitary, Storm

Process liquors from chemical reactions

Scheduled to feed into City Sewers by 2-2-70

100 gpm

144,000 gpd

City

Normal is 5-day; 24-hour operation

Surface Water

#4 0il; 10,000 gal capacity



December 17, 1980

Mr. Mario Graglia
Supervisor of Monitoring & Surveillance
Passaic Valley Sewer Authority
600 Wilson Ave.
Newark, N. J. 07105

Re: Improvement to pH Control System at Alliance Chemical

Gentlemen:

All effluent flows to central pump. It is then pumped to the neutralization pit. This pit consists of a tank 6' X 12' X 10' D. With two agitators and two pH probes. The probe by the inlet side controls a motorized proportioning valve (1") and an on/off solenoid valve (3/4") which governs the flow of aqua ammonia needed to neutralize our acid waste stream.

The second pH probe and meter provides a record of the pH of our outgoing system. It also activates an alarm to notify our operating personnel if pH varies beyond the 5.5 to 9 pH range. When the alarm is activated, the pump will turn off stopping the flow to the neutralizing pit preventing a discharge to Passaic Valley Sewer Authority until the problem can be corrected.

In case of pump failure or power failure, the collection sump will be provided with an overflow line also containing a shut-off valve.

In case of a power failure, the plant will be shut down and no flow will come from the plant except possibly rain run-off.

In case of pump failure, sump will continue to fill until overflow line is reached. Overflow line will allow effluent to flow to neutralization tank. If pH goes out of range, alarm will still notify operating personnel and the line can be shut manually until pH is corrected.

-2-

If the pump supplier holds the anticipated delivery date, the improved system should be operational by late February.

Very truly yours,

Nicholas J. DiMenna Chief Engineer

NJDM/cs

ALLIANCE PH CUITTON SYSTEM 841400011 TPH RECORDER-CONTRULLER FALARM AQUA Ammonia -PH CONTROLLER TANK - 34" ON-OFF VALVE 1" PROPORTIONING 111 SIM SIM SIM SIM SIM TO PVSA FIGITITUR ASITATOR OVERFLOW SHUT- OFF VALVE -CONCRETE CENTRAL SUMP LG'X12'X10' DEEP NEUTRALIZATION カノナ

The Honorable Kenneth Gibson
The Mayor of the City of Newark
Newark City Hall
920 Broad Street
Newark, New Jersey 07102

Dear Mr. Mayor:

I am appealing to your office for assistance to eleviate a problem that has been plaguing our plant for many years - the threat of being inundated by waters backing up into our plant from a drainage ditch (Plum Creek) that borders our property. I am writing to you because my previous contacts with the Department of Sewers and the Director of Public Works and his Staff has only resulted in empty promises and no action.

During the rainy season of 1971 we were forced to shutdown our entire operation three times and sustained considerable property damage and loss of wages to our 50 employees. The cause of these problems is a recently installed, underdesigned drainage pipe under Avenue P. This pipe is now blocked and water from Plum Creek cannot escape to the bay and has no other route, but to back up into our plant.

I have been promised relief by the above departments on over 25 different occasions since February 1972, but todate nothing has been done to make our situation any less critical. At this writing the Flum Creek has overflowed its boundaries and is only a few feet from running over into our property.

It is my responsibility to keep this division operating and I am appealing to your office to see that proper steps are taken to ease our situation.

Very truly yours,

Richard D. Leonard Plant Manager

June 21, 1972

Mr. Sam Friscia
Director of Public Works
City Hall
920 Broad Street
Newark, New Jersey 07102

Dear Mr. Friscia:

Since the latter part of February our plant has been under constant threat of being over run with flood waters from the drainage ditch (Flum Creek) that boarders our property. A letter to you (March 21, 1972) and a visit by yourself to our plant (May 18, 1972) has not given me any satisfaction that our problem will be rectified. I have been very patient todate, but at this writing my patience has run out.

I was promised a letter on May 18th stating your intentions on the above matter. Five weeks later there has still been no letter. I was told that the construction to eleviate the water condition would be completed in June or July 1972. Todate it has not started.

I am responsible for the production activities of this Division and responsible to take steps to keep production going especially when I can see impending disaster on the horizon. In dealing through your office with Messrs. Al Zack, Roger Altero and Van Reiper I have no confidence that any action will be taken in time to prevent this disaster.

This letter should reach your desk on Friday June 23rd. Should I not receive any correspondence by June 26th, outlining the positive steps the city will take to correct the problem caused by their poor design I shall have to take my cause to higher authorities. I am hoping that the latter will not be necessary.

Very truly yours,

Richard D. Leonard Plant Manager Mr. Sam Friscia
Director of Public Works
City Hall
920 Broad Street
Newark, New Jersey 07102

Dear Mr. Friscia:

I would like to call to your attention a surface water condition that exists around our chemical plant on Avenue P (Ironbound Section) that has caused our plant to shutdown in the past and now threatens to close our door again.

The problem is this: Our plant is surrounded by a drainage ditch (commonly referred to as Plum Creek) which collects run-off water from the Turnpike and surrounding properties and discharges into the bay. We are completely isolated from this creek, i.e., we do not discharge any water whatsoever into this creek, yet whenever this creek backs up the overflow empties into our plant resulting in emergency conditions which have often resulted in water damages to our stock and at times complete plant shutdowns. The shutdown causes a loss of production and business and results in unemployment for all our workers.

The only reason that Plum Creek backs up is that there are obstructions inhibiting the discharge of water to the bay. We have found that there are two areas where obstructions occur. (1) On the property of Revere Smelting where Plum Creek turns east and passes under a dirt roadway, and (2) under Avenue P. I have called the Department of Sewers on these occasions and most times they are tried to clear away the obstruction and let the creek subside, but on other occasions the response by the Department of Sewers has been delayed by equipment availability, manpower availability, the elements, or other reasons beyond my knowledge and as a result the condition previously described at our plant occurred. At this writing we have had a pending flooding condition existing at our plant since February 28th (over 3 weeks) with no apparent attempt to eleviate the same by the Department of Sewers dispite at least seven (7) calls to their office.

I see no legitimate reason why our plant must continually face this flooding problem year in and year out when a solution is obvious - install a large obstruction-free (closed) passageway for the water to flow from the turnpike to the eastern side of Avenue P.

Another continuing effect of the flooding is that our plant waste water that is normally discharged into the Avenue P sewer system is pre-treated prior to entering the system. The extra heavy load of water from the creek pouring into our treatment facility has caused our treatment plant to become overloaded and at times unable to handle the flooding conditions.

I am quite anxious to learn what efforts are being taken by your department to remedy the above described situation. The company and the union would by appreciative of your efforts to see the above problem eliminated once and for all.

Very thruly yours,

RICHARD D. LEONARD Plant Manager

RDL:me

Co: Mr. Boger Altero
Department of Sewers
Broad Street
Newark, New Jersey

Mr. Al Zach Chief Engineer Department of Fublic Works 920 Broad Street Newark, New Jersey PASSAIC VALLEY SEWRAGE COMMISSION VISIT.

(1) Ist Visist :- 9-19-1912

Me. Louis CuccinEllo, MR McGlaughn & Third.

Genleman - Visited us. they tried to impose the dumping
in creek
of only material behind fat Rendering plant on us They

Consistently accused us of pumping this material on in the

Creek

These Charges Work clenied. We (Me & fory)
told them that we are not 9,8600,866 for any
dumping. Jony Explained that While demolition of
fat Rendering plant - they clostoged the oil storage
tank full of oil. - & cluming the heavy hain oil
flotated to the surface of the soil - This explanation
was quoted as sensible by Mr Carcinello. - Mr
Carcinello is the Subsentendent of Passair valley
Sewsage Commission

AT This point we also stressed a showed them that there is no evidence of over flow from our Pond to Cheek

(2) I nd Visit - 18-3-1972

Me. Mc. Gloughlin & another Gentleman - Came here & sard that they have Checked the Sample from of bond & creck & found they were Same - We again clenied the Charges of dumping and material in the Gentleman asked Mr Mc Gloughlin to come Next -day & take

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THURAS LATZIO
CHAIRMAN

PASSAIC VALLEY SEWERAGE COMMISSIONERS

790 BROAD STREET NEWARK, N. J. 07102 JAMES V. SEGRETO CHIEF COUNSEL

CHIEF ENGINEER

SEYMOUR A. LUBETKIN

MRS. CHARLES T. SCHAEDEL CLERK-TREASURER

CARMINE T. PERRAPATO
BENJAMIN W. GORDON
LOUIS BAY, 2ND
COMMISSIONERS

VICE CHAIRMAN

6220190

Alliance Chemical, Inc. 33 Avenue P. Newark, New Jersey

Man 23 18 18

Gentlemen:

The Passaic Valley Sewerage Commissioners are required by law to prevent pollution of the Passaic River and its tributaries, and also are required to exclude from entry into the sewerage system all discharges which may injuriously affect the integrity of the system.

In addition to these requirements of the New Jersey Statutes, new Federal regulations provide minimum standards for effluent discharges.

The Commissioners are in the process of preparing standards for industrial waste discharges, both into rivers, streams, and tributaries, and into the Passaic Valley Sewerage Commissioners' system. In order to prepare realistic standards, a questionnaire is being mailed to all industries in the Passaic Valley Sewerage Commissioners' district. Your questionnaire is enclosed.

You are required to complete the questionnaire and return it to the Passaic Valley Sewerage Commissioners within thirty days. Your cooperation is requested. Any industrial user which does not complete the questionnaire will be required to terminate the further discharge of industrial waste.

Very truly yours,

PASSAIC VALLEY SEWERAGE COMMISSIONERS

Thomas Lazzio

Chairman

TL/kl Enclosure

Mr Stro

841400018

Mr. Edwin L. Barnhart Hydroscience Inc. 363 Old Hook Road Westwood, New Jersey 07675

Dear Mr. Barnhart:

On March 23, 1972 we received a letter and questionaire from the Passaic Valley Sewerage Commissioners (a copy of which is attached) which must be completed and returned by April 23, 1972. I have filled out Pages 1 & 2 and need your help with Pages 3 & 4. The data taken during your 1969 survey should provide most of the answers to these questions.

To bring you up to date on what has transpired since your survey the following is a description of our discharge system:

Our shallow plant sewers connect to a retention pond. The overflow from this pond flows through a concrete pit containing an agitator and the discharge from an Alkali treatment tank. A pH probe in the pit electronically meters alkali (ammonia or caustic) to the pit on demand to maintain the pH of the sanitary sewerage at a pH of approximately 6.0.

Our product line has remained relatively constant since your survey with the exception that we have discontinued the use of xylol as a selvent (a raw material which sometimes managed to get into our waste stream). Our storm sewer receives only rain and surface water run-offs.

If you have any questions or areas where information may be incomplete please contact me at your earliest convenience.

Very truly yours,

Richard D. Leonard Plant Manager

\$250 max.	4-28-72	4-11-72	Production	R. D. Leo	nard
RECOMMENÇED FENDOR AND HYDROS	CIENCE INC.	·		USING DE DA LIPEROVAL	
363 B	road Avenue, West	twood, New Jersey	Attn: Kr. Tim	PURCHASING APPROVAL	
INTERNAL INSTRUCTIONS		•	Sullivan		
		•			
	-		· R	EQUISITION/PUR	CHASE ORDER
A SUBSIDIARY S				P - A-71	12
Pfister			MICALINC.		ER MUST APPEAR ON GES, DELIVERY SUPS CES.
PFISTER CHEMICA	AL INC. 33 AVE	NUE P, NEWARK, N	NEW JERSEY 07105	·	
EX	EMPTION REGISTRATION NO.	221-427-406	THIS IS AN OI	RIGINAL ORDER - PLEASE AC	KNOWLEDGE
RE	TURNABLE DRUMS TO BE BILLE	D BY MEMO ONLY	CONFIRMATI	DN	
TO			4-11-72	Tim Sullivan	
10			SHIP ATTENTION O	Leonard	
				NOT MAKE PARTIAL SHIPM	
			''' , v = ···	IVERIES WILL BE RECEIVED 8	
DATE OF ORDER	TERMS	F.O.B.		D P.M. MON. THROUGH FRI.	
TEM NO. QUANTI		tudy of Alliance	Plant Discharge to	CODE	not to
			o satisfactorily		exceed
			om Passaic Valley		\$250.00
	Sewerag	e Commissioners (dated 3-23-(2).		
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	ACCEPTAN				
be changed, me	rder sets forth the entire agre- odified or added to only by w ions stated herein and on the ri	ement between Buyer and Selle ritten agreement and is govern everse hercof.	r and can ed by the		<u> </u>

REQUISITIONER'S COPY

The order is not valid if over \$5,000.00 in total value.

MAKE ALL INQUIRIES TO 841400020

(201) 344-2344

Date:	May	10,	1972	.	
Duici					

Plant Ref. No. 17E0446

WASTE EFFLUENT SURVEY

(For Industries Served by the Passaic Valley Sewerage Commissioners)

Plant Name: Alliance Chemical Inc.		•••••
Address: 33 Avenue P, Newark, New Jersey	Zipo	77105
Person and Title to whom any further inquiries should be directed:		·
Richard D. Leonard - Plant Manager		••••••
Phone No.: 344-2344		*********
Number of Employees: 45		
Number of Working Days Per Week: Normally 5		
Number of Shifts Per Day:		
Area of Property: Acres, or approx. 150,000		Sq. Ft.
Type of Industry and 4 digit U. S. Standard Industrial Classification No.: Chemical - SIC 2815	1	
Finished Product(s): Dyestuffs, Intermediates for Textile Industry	<u> </u>	
Average Production: Confidential		
Raw Materials Used: Amine type bases - too numerous to itemize		
Brief Description of Operations: Batch Chemical Processes - Clarification	on, Filtrat	ion,
Sulfonation, Nitrations, Chlorinations, Diazatations, Condensation	ns, Simple	mixing
and blending, drying, etc.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	,,,	,

Water received in Gallons (Note: multiply cu. ft. x 7.48)

	r in 1971 from:		OF NEWARK	
-	r		•	
	er	7.455.500	.,,	
3rd Quart	er			
4th Quart	er	6,290,700		
Total	Purchased 1971:	29,228,900 gallo	ons	
Well Water		•		
1st Quarte	r	none		
2nd Ouart	er			
	er			
-	er	•	•	
_				
Total Wen	water received in 1971:		••••••	
River Water				
1st Quart	er	none		
2nd Quar	er	· · · · · · · · · · · · · · · · · · ·		
3rd Quar	er			
4th Quar	er			
•	river water taken in in 197			
	AL OF ALL WATER RE		29,228,900 gallo	ns
ater Use in 1971	:			
Water to Proc	luct (include evaporated a	nd lost water):	29,228,900 gallons	
	ary Sewer:			1
	n Scwer, River or Ditch: .			ŧ
•	WATER USE IN 1971: .		•	
Jame of River, S	ream, or Tributary, and k	ocation of storm sew	er or ditch outlet to rive	ri, stream.
	Sewer system tied in t			1

ANSWER THE FOLLOWING QUESTIONS ONLY IF THE PLANT WASTE INCLUDES WASTE ATTRIBUTABLE TO INDUSTRIAL OPERATIONS

(Note: Analyses should be based on a 24-hour composite sample)

Characteristics of I if any. Indicate units of	Plant Waste discharged to sanitary or combined sewer, aft measure where applicable (e.g. Mg/l).	ter treatment
a) pH: 6.3	b) Turbidity: 1100 JCU	
c) Temperature:ambie	d) Radioactive? Yes	ν _ο <u> </u>
e) Solids Concentration:		ì
1) Total Solids16	988 mg/1 Volatile 4,164 mg/1 Mineral	
2) Suspended Solids	720 mg/1 Volatile 475 mg/1 Mineral	
f) Oil and Grease Concen 1) Floatable Oils	104	
		l l
Ć .	P 1 P 0	
3,	5,150 mg/l	
	mand (C.O.D.): 7,160 mg/1	l l
i) 5-day Bio-chemical Oxy	ygen Demand (B.O.D.): 2,692 mg/1	
j) Total organic carbon ((T.O.C.): 1,193 mg/1	
LA Marallia Tona Nama	1 /Toron toron line or all months of the control in the contro	
hex. and triv. Antimor total daily discharge o		g., chromium entration and
hex. and triv. Antimor	ny, Lead, Mercury, Copper, Vanadium, Nickel; give conc	entration and
hex. and triv. Antimor total daily discharge o Zn	ny, Lead, Mercury, Copper, Vanadium, Nickel; give concept cach metal.)	entration and
hex. and triv. Antimor total daily discharge o	ny, Lead, Mercury, Copper, Vanadium, Nickel; give concept cach metal.) 500 mg/l and concentration e.g., cyanide salts, etc.):	entration and
hex. and triv. Antimor total daily discharge of Zn 1) Toxic Material—Name non	ny, Lead, Mercury, Copper, Vanadium, Nickel; give concept cach metal.) 500 mg/l and concentration e.g., cyanide salts, etc.):	entration and
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Indicate units of measure where applicable (e.	g., Mg/l).		,
a) pH: ONLY STORM WATER GOES TO STOR	M SEWER b) Turbidity:		
c) Temperature:	d) Radioactive?	Yes No	
e) Solids Concentration:			
1) Total Solids	Volatile	Mineral	
2) Suspended Solids	Volatile	Mineral	
f) Oil and Grease Concentration:	. •		
1) Floatable Oils	••••		
2) Emulsified Oils	·····		
g) Chlorides	••••••		
h) Chemical Oxygen Demand (C.O.D.):			
i) 5-day Bio-chemical Oxygen Demand (B.O.D.).):		
j) Total Organic Carbon (T.O.C.):			1
k) Metallic Ions—Name and concentration (Ir hex. and triv. Antimony. Lead, Mercury, total daily discharge of each metal.):	Copper, Vanadium,	, Nickel; give concentr	ation and
1) Toxic Material—Name and concentration (e.m.) m) Solvents—Name and concentration:	g., cyanide salts, etc	c.):	
n) Resins—Name and concentration (Lacque		netics):	
o) Date and time span of sample:		••••••	,,
Do you pretreat any waste before discharge?			
If so, describe process and disposal of residue r			1 .
	••••••		
Certification of Laboratory doing sample shall be those shown in the 13th edition of Sta Wastewater, where applicable. If no procedure and procedure used in analyses.	ing and making an andard Methods for re is applicable, the	alyses shall be given. I	Procedures Water and
· /	Signature and	title of person preparin	ig report
		Lant Manager	0 - 1

HYDROSCIENCE, INC.

Consultants in Water Pollution Control
363 OLD HOOK ROAD
WESTWOOD. NEW JERSEY 07675
201-666.2600

DONALD J. O'CONNOR EDWIN L. BARNHART JOHN L. MANCINI Associales
THOMAS J. MULLIGAN
JOHN P. ST. JOHN
ROBERT V. THOMANN

May 4, 1972

Mr. Richard Leonard Alliance Chemical Co., Inc. 33 Avenue P Newark, New Jersey 07105

Dear Mr. Leonard:

In accordance with your request, samples from Alliance Chemical, Inc., Newark, New Jersey, were analyzed in order to complete the Passaic Valley Sewerage Commission Survey. These tests were performed on the Industrial Waste only as the only flow entering the storm sewer is storm water. The results are as follows:

На	6.3	
Turbidity	1100 JC	Ü
Total Solids	16,988	mg/I
Total Volatile Solids	4,164	mg/l
Suspended Solids	720	mg/l
Volatile Suspended Solids	475	mg/l
Oil & Grease	406	mg/l
Chlorides	5,150	mg/l
COD	7,160	mg/l
BOD	2,692	mg/l
TOC	1,193	mg/l
Zn	500	mg/I

I hope these results will be of assistance for the completion of the questionnaire. If our office can be of further assistance, please call us.

Very truly yours,

Timothy Sullivan

Timothy Sullivan

TS:bil



THE CITY OF NEWARK, NEW JERSEY KENNETH A. GIBSON, MAYOR

CORNELIUS BODINE, JR. Business Administrator

DEPARTMENT OF PUBLIC WORKS SAMUEL A. FRISCIA, DIRECTOR

Date: APR 27 1973

ROBERT VAN RIPER BUREAU ENGINEER BUREAU OF SEWERS

Mr. Richard D. Leonard, Plant Manager Alliance Chemical Inc. 33 Avenue P, Newark, N. J. 07105

Dear Mr. Leonard:

RE: Violation Title 21 Chapter 3-4 (b) and

3-6(a) Ordinance of the City of Newark

After reviewing the Waste Effluent Survey form which you completed and returned to the Passaic Valley Sewerage Commissioners dated May 10, 1972, three violations were noted under the above ordinances. These three violations are:

- (1) The BOD of your effluent discharge was 2692 mg/1.
- (2) The amount of Suspended Solids in your effluent discharge was 720 mg/l.
- (3) The amount of Greasy Materials in your effluent discharge was 406 mg/l.

Enclosed are copies of the City Ordinances which describes the acceptable limits of BOD, Suspended Solids and Greasy Material.

This letter is to be considered written notice, notifying you of the existing violation. Please contact this office within thirty days of receipt of this letter telling what action you plan to take to correct said violations. Your written response should include a time table indicating when and what will be done as well as the date the existing violation will be eliminated.,

Very gruly yours,

Roger Altiero,

PRINCIPAL ENGINEER

RA:GPF

Certified Mail 990016

Mr. Timothy Sullivan Hydroscience, Inc. 363 Old Hook Road Westwood, New Jersey 07675

Dear Mr. Sullivan:

As per your request I am enclosing a copy of the letter we received from the City of Newark with regard to certain areas where we are supposedly in violation of Newark ordinances.

Please review this letter and advise us as to the next course of action.

Very truly yours,

Richard D. Leonard Plant Manager

enc;

May 14, 1973

Mr. Roger Altiero
Principal Engineer
Department of Public Works
City Hall
920 Broad Street
Newark, New Jersey

Dear Mr. Altiero:

This will acknowledge receipt of your letter dated April 27, 1973 refering to certain violations with regard to our waste effluent discharge.

We have engaged additional consulting groups familiar with this area of pollution control and will re-survey our waste effluent stream as it is very possible that the results obtained over a year ago do not reflect our current analysis profile due to product line revisions and proper and smooth operation of our waste treatment facility.

Samples are currently being processed by the consulting laboratory and upon receipt and analysis of these results we will be in a better position to evaluate our necessary course of action and at that point we will be in touch with your office.

Very truly yours, ALLIANCE CHEMICAL INC.

RICHARD D. LEONARD

RICHARD D. LEONARD Plant Manager

rdl:me.

TO:

GEORGE SHULMAN

DOINED CHOREN

ED O'CONNER ... NICK DEMENNA

FROM:

RICHARD D. LEONARD

SUBJECT:

REPEAT SEWERAGE ANALYSIS BY HYDROSCIENCE

Samples taken from our sewerage discharge on May 8th (1 sample every 3 hours) were analyzed by Hydroscience and are summarized below against the analysis performed in April 1972 and against the 'standards' set up by the City of Newark.

	May 1973	April 1972	STANDARD
BOD	1580 mg/l	2692 mg/l	350 mg/1
Suspended Solids	413 mg/l	720 mg/l	400 mg/l
Oil & Grease	180 mg/l	406 mg/l	125 mg/l

As you can see all results come closer to the STANDARD and only the BOD is far in excess of the STANDARD.

Mr. Timothy Sullivan, of Hydroscience, relates that they have dealt with the City of Newark on similar matters and would do so in our behalf at our request.



MAY 22, 1973

DATE:



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

SOLID WASTE ADMINISTRATION 32 East Hanover Street TRENTON, 08625

BEATRICE S. TYLUTKI DIRECTOR

February 11, 1977

ALLIANCE CHEMICAL INC 2865 % PFISTER CHEMICAL INC P D BOX 15 RIDGEFIELD N J 07657

ATTN: CHIEF EXECUTIVE OFFICER

ATTENTION: Chief Executive Officer

I would appreciate your referring the attached Industrial Waste Survey form to the responsible manager in your corporation. We are requesting completion and return to this office by March 15, 1977.

We are conducting this survey to determine if there is a need for additional permanent disposal facilities for those industrial wastes requiring special handling. Heretofore, much of these wastes were disposed of in a small number of commercial landfills in New Jersey. All such landfills have now been closed—in most cases due to air and water pollution problems. Only a limited number of other types of facilities exist and there appears to be a need for additional facilities. Your factual information will help determine if other facilities are required.

Furthermore, this information will assist our consultant, Roy F. Weston, Inc., in developing new rules and regulations governing this type of waste and its disposal.

As you are aware, New Jersey law places a burden on the generator to make sure that these wastes are properly disposed and requires the submission of periodic reports regarding certain industrial wastes. This survey is not intended to be a substitute for any of these reports, but to obtain additional information. Any information so obtained which may relate to proprietary processes will be kept strictly confidential. We do reserve the right to compile and use statistical data summaries as to the general quality and quantity of wastes produced and disposed throughout the State.

Your cooperation in filling out and promptly returning this questionnaire will assist both us and our consultant. If you have any questions regarding this survey or need extra copies, please contact Mr. Ronald J. Buchanan, of my staff, at 609-292-9878.

Sincerely,

Beatrice S. Tylutki Director Solid Waste Administration

Bestuis & Thatki

BST:oms

NOTE: If you have completed this questionnaire during our Dec.-Jan. test run, please call or return the form with a statement to that effect.

841400030

To Skorege At	
Subject U.S. Com Engineers Date 1/27/6	66
O & man team se-visite O us today for	'a
good part of the morning. apparently yesterday's	
re-eispection had been to currory - ar any da	te.
the set to I tolar with a list of suestions for	, su
They returned today with a list of questions for a superior officer.	
This time traverings - sketches et al were	
required - This was more like previous contacts,	
searching and penetrating questions!	٠,
as fas as the group there was concessed,	arrelf
fulge we made out OK. Whether or as They convince suf	evin!?
We should note there summared by	L.
DARKATELLINE points which developed from	Their
listed questions:	
D Flow & brook in clean water (cooling) plus	
Unocous purces effects. All acids are	
keft out of this system	
(8) Some acids are destroyed as part of proces	us,
	way
us a solid to regular garbage disposed for	etur.
@ Some acids are pitted for storage. We will	0
Sispose of this in slack times or with	en
pit fills by pumping back ist plo	cera
Date Signed	
SEND PARTS 1 AND 3 WITH CARBONS INTACT PART 3 WILL BE RETURNED WITH REPLY.	

Subject U.S. PAMY ExerNEEAS Date 1/26/66 This will record that a varianteam visible us today for a re-inspection. Surjector R. D. Cremente was in change. They occured pleased. Took pictures of filled in acid pit, the new pit, and the catch basin Would guess they wief consider wiolations consected and case closed (if — they to not larry up acid in lower reaches of brook, their destination ofter visiting our property. The sampling was done on our property at time of visit. (We checked tight ofte they lift as a matter of interest and we were turning meetral) DIPINGATE.	
Subject U.S. PRMY ENCINCERS Date 1/26/66 This will record that a varian team visited us today for a re-inspection. Surpector R. D. Chemente was in charge. They occured pleased. Took pictures of filled in acid pit, the new pit, and the catch basin thould guess they wiel consider violations corrected and case closed (if — they to not turn up acid in lower seaches of book, their Section after visiting our property. No sampling was done on our property at	
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in lower deaches of brook, their destination of ter visiting our property). We sampling was done on our property at	
Weseting our property for was done on our property at	
Weseting our property for was done on our property at	
No sampling was done on our property at	
time of visit. (We checked right ofter they left as a	
matter of interest and we west tunning owner of)	
DEPLICATE Signed	
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of our letter and how pleased "the," were with our	
cooperation and cordialit.	
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check audfor confirmation was cutsory.	
	-
Jun. 1	
Date Signed	
SEND PARTS 1 AND 3 WITH CARBONS INTACT PART 3 WILL BE RETURNED WITH REPLY.	· · · · · · · · · · · · · · · · · · ·

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ORGE	At .	
	ENCINEERS	Date 1/26/66
This will record.		·
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in charge.		
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in acid pit, The me	we pet and Is	le catch basin.
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of visit. (We checked	est tunning ou	etrop)
Signed Signed		
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Signed		
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NOTE WELL

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11 11	1. T. 1		į
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	-last	of questions:	
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profession of the second	net of This		
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Subject		,	Date	
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	and or ain	· ·	.	
Els c	untin lave	1 1/6 Y	Kul Takes	odiastoses
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a chi	. fan men.	Certil me	of server go	V away
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RETURNS ARM STONE	Ustrad		Charle	. ,
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D-1-	Signed	· · · · · · · · · · · · · · · · · · ·	<u> </u>	
Date		WITH CARBONS INTAC	<u></u> Т	
45 474 Rediform®		URNED WITH REPLY.		į

To Stephe	•	<i>:</i>	
Subject Howam Poter - 110	5. Odne 6		Date 2/5/66
Subject Hailen Peterl - Un	to the state of the	CARRY	
We were visited ogain	· resterde	r zej.	a ship had
entered a complaint of de	nage &	mach	wienes (ou
sevents - fear of damage	while are	in de	ive water
for cooling purposes at Voch	ide, Key	Keif	envertigated
and found the water wit	lapH)	2.	<i>-</i>
The acid water was	time of he	ach -	& Ile outfall
used by the birth the my	beetin to	ann	said they
stopped in to see us or	ely & ark	<u>-i/</u>	eve knew who
owned The line pits bondesis	y The bro	vh.	The had seen
Lude's warning signs the	courtée.	matei	rials " but
could not find the plant	(?) <u>.</u>		·
DUPLICATE Signed			· · · · · · · · · · · · · · · · · · ·
I had there emps	cessions:		
A That the die	inal com	place	I was much
about jobbete Owater (
	icovered	,	I when they
arrived & check.	· · · · · · · · · · · · · · · · · · ·		
B) That a con	sidesable	eur	estigation
might be launched by	The form	alit	of a complaint.
There was no iny	lecateon	that	- we were
envolved. Va fact, V	war given	The	empression
Date Signed		- <u> </u>	
SEND PARTS 1 AND 3 WI 4S 474 Rediform® PART 3 WILL BE RETUR		•	·:

	l		: ·		
То		At			
Subject	· · · · · · · · · · · · · · · · · · ·		<u> </u>	Date	
That since use	had sol	red our	pdoblome	, sateifoctor	il.
they theregle	1 perhaps	we mu	gled la	u some	
eden where	- from	The acid	I was	Coning an	
could help -	Le.			0	
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gæcseure or of our phis	lo you	theil	this o	continuing	
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Date	Signed				
45 474 Rediform®	ND PARTS 1 AND 3 V PART 3 WILL BE RET				

NOTE WELL

At
71.5. Cany Enrineers Date 1/27/66
To I man tran de-visitel un Torlay for a
I of The austing. apparently yesterday's
ten ful been to carrery - at any date
ten full been to carrery - at any date,
ien officer.
They time thamings - whatches it at were
- This was more like previous contacts,
and pourtanting questions!
the free as the group has an executived, would
much and OK. White or south, consider sufficient.
We should note The summaried high
town since soints which thendels of from their
the signed soints which there their
Lested questions:
Here & luch is chear water (whig) plus
Men to buch in when writer (whig) plus Minima prices effluents. All arids one
Ment of this system.
Man & luch is there water (whig) plus Minima prices efflowerts. All axide one by I not of this system. Some wieds are destinged as part of process,
Minister of the so there water (whig) plus their streets of the and streets (whig) plus the streets of the side one by the streets as part of process, the weetless of an decling of as part of process, the weetless of claims a sport of process,
Lested questions: Lested questions: Lested questions: Line to leach as there wenter (whing) plus Minima process effluents. All arids are Left and of this system Lemented are destroyed as part of process, The westling estein a system wasted away us a solid to secondar action to hipsale firm.
Ment to beach is chean writer (whise) place the standard of the arists are by I not of this system. Some weids are destinged as part of process, the western coloring affect in writer away. As a solid to secondary affect hipselfisher. Some acids are pitted for storage. We with
Listed questions: Lested questions: Listed questions: Line of thick as decine water (cooling), plus similar prices effluents. All ariels one Left not of this system Leme acids are destroyed as part of process, The restless estimate of the secret form. Leme acids are petted for storce hipsel firm. Lime acids are petted for storce. We with Ciface of this we stock to be at the
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Stand & level is clear water (whig) place the stand of the sound of th

To Subject	At	Date
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		the V had taken advantages
		- conversations & avoid
		ald max even get away
untl	cenesalind state	ment we would destroy
Th.	avenued for both	"how" and "where". (I hate
		extense course of oction.)
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ce of church		
Date	Signed	

To Longe	A			
Subject	US amy	Succession .	Dafe /	12/66
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complaint pour	ion reported	" Nell.	esu has	e a_
copy shoto et	for me?			
copy photoed	hilge this as	Their #	1 gentle	approach.
14	should have c	auchel guis	Pence in	landling.
I can be ausine				
Bed long the	and the state of t	THE THE THE PARTY OF THE PARTY	The state of the s	
-cour X en	y Z A			
mi P the fire	Samuet al po	Blen +-	ener	This.
Jeve Chat, as C	rul from Ally	7) goes	8 24 6to	
RETURN-TO		はどれる	A SALES	
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pel while	e lofer we	Law Cost	arch.	- This are
oche (Rec)	vas a pu-f	files to	courseig	Paplan.
pel while we lotte (this) and the contraction of th	The Walter	e greed eas	elether	diffeter
as the				
	Cinfetti Ell	nicht ein	laver to	Courtes
10 W. Ch. Ley po				
		*		

45 474 Rediforme PARTS 1 AND 3 WITH CARBONS INTACT

To Storige	AI			
Subject U.V	! asmy Eugen	ach	Date 12/22/6	55
This will	ment the	12/7/65 00	italini as	
feel seem a cita	teni ei zoin	5 × result	: (1 E(1)	1
epou of the wester	a, J. ** (*)		建产业	
Smaline	in Hochett, a	ccompanie D	by a the you	ws
of the N.J. Misgento	Commission	-soupled th	e brook for	m
told water rep	-8 our plan	I and saig	owe were	
cause of acid.				
1 7/2/	eve carries	P him to	(al Paise	
was maspine	En of our	aciel colle	tini septe.	
1 tais 1/20) c	fation (af	fearer)	should be	
incontainly sea	ing the	elle it	arci cair	
	The state of the s			
RETÜRN TO	Signed - Signed	k i i i i i i i i i i i i i i i i i i i	(\$7.33)	
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1/10/65 Recome A	YANS L. Come 6	5-294		
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4S 474 Rediform⊗

SEND PARTS 1 AND 3 WITH CARBONS INTACT

12/30 12/3 14/23 14/4 14/45 9/27 9/13 5/4 /4V 12/10 14/16 14/25 70/4 9/10 8/16 /4/V 6/28/65 UN løng Eugenian einfect, (Nachtt). Tours
6/28 Xu Vu acid in Boy on that 6/16. Finds
our leak from acid pit. 7/7 no lear 7/14 nes hear 7/16 He kear 8/4 To kear 8/10 To hear 8/17 To hear 8/16 XV 8/28 Visits on other people problems. Hop we will still low their lab very dow - sometimes of mo 8/24 # Xv 9/15 No box 9/20 No kear 1/27 No hear 10/6 no kear 10/15 Ho hear 10/26 No hear 11/2 No hear 11/9 The hear 11/16 me hear 11/23 The hear 12/3 The hear 12/22 Ho kear 1/2/66 No hear - altho' Harlett has been in several times. Vo file 1/12/66 Receive letter NANSL Case #65-294

L & GS separate for

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Church With fr UN
Then to
Mr Chas Motte Sur Vm
then &
Both Hoffman
then &
FWM
Alternatives of the second sec

Water	Sam	ples
		<i></i>

8 Feb 66

	Acid Pond	Stream
	·	•
ρH	3.15	2.5
CC IN NOOH	10.0	/, 3
pH 7.0	Strong buffering	No buffering action
pH 7.0	Large floc ppted	No ppt.
	, , ,	
Sulfafes	High	Very low
Chlorides	High High	Very low High
		-7
Odox	Solvent (MCB?)	Sulfide
Diazofized		· · · · · · · · · · · · · · · · · · ·
cross spoted	Red coupling	Blue coupling
c/B naphthol	~	
	· · · · · · · · · · · · · · · · · · ·	
		-
. ,		
		841400044

To Steonge		At	Date 2/9/66	
Subject	U.S. ami	Eugeneus	Date 2/9/66	
Ele same	2 may	Team who	was here 3/8	
(and which I repo	vt. D seel.	ely) retur	well today for	
Basic u	westigation	· concern	Liscolone Land	
acid brook.	· · · · · · · · · · · · · · · · · · ·		·	
Micussed	The evid	ence gother	I yesterday the	al .
et was not ele	aced p	LT.		
Color all of mon	went hel	If new nu	etual and good	1
color all of mo	ming en	luding for	of 1/2 kours or	co
of their visit.	They	:	·	
Church.	went with	Them as	ed walked the	
Wook upstream	-		_	,
DEPLOSER	Signed ace	ef all the	way downe, Ch	uch
could not find as				
aciel and befrees	extended	buch to a	en plant.	· .
1 _ <i></i>			effluent pipe	,
	//	rud ted!	· and should	
Lave bean !	Traced	the acid is	8 press Suippage	
on FOC chlora	efonation	feltration	. altho the ma	reil
body of seid wark	arate was	being colle	tod, everyle was	
touting itself as	wars floor	To regula	w sewer & tus	en
that sever ac	rid,			
Awa	e lasily	notice ably	in The sever	
Date	Signed			
45 474 Rediform®		WITH CARBONS INTACT URNED WITH REPLY.		

Subject pit that when the acid waste from Bldg 7 (colorless) me Y the almost colorless wante from Bldg 4 - the combined effluent was We would appear well hooked. The einestigators made no committements about re action but feel sure we will be cited. cooperation & she down the acid flow, (did) make permanent semedy, (lasily done) and Verpection team will return Date SEND PARTS 1 AND 3 WITH CARBONS INTACT 45 474 Rediforme PART 3 WILL BE RETURNED WITH REPLY.

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To.	8	•			} č	41400047
2/8/66	ry Engineers	Victor A.	Shamma			-
2/8/						
	They are sin	estivatero	- conh	lains by	ship	
	We have	ged 1	work he	, our or	rhet a	ed acid.
	Why?	Ve	ash en	& obora	in serult	of investigate
	We awaly					
		con have	in in			
	Day why	an Da	calac	2	*	
	Zw wry	ace of	COCOD			
2/0	Vc.					
2/0	A(v) So CPM of	× c-00	(The second	$ \leftarrow $	
2/7	so cringy.	to cour i	u empo	my we	eu t	· · · · · · · · · · · · · · · · · · ·
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			· · ·	· · · · · · · · · · · · · · · · · · ·		

j. * .

To Steorige	At	
Subject CHEMICAL TA	NKERS, INC Date	2/15/66
17 BATTERY	PANCE NY 4 NY	•
	Thin	WH-4-6690
This afternoon we ever 4	into L by Mk ROAT O	MITCHERE , TR.
Facilit of Chamical Tanker	and a My Gloss	of The
same fitm. The answorm	read peripose of	their resit
ever & resolve the public		
They said was being Jamag		
They listed these	statities a si	lip westle
5 million Vollars, was the	_ ~	
\$ 000000 per year, Took on	. 4000 tous of a	vater as
ballary on each wiset her	e (Joeks @ Cella	nese). essel
DUPLICATE COLONIES ETE ETE	se and brouse pu	up parts
ete. Shaft water Thru a	14" line . 71	is ballant
tanks avent having Norma	l'Ilje. Conside	· Vocerce c/
problem en is This me		
Statel that the	had visited al	o the chemical
companies in the avea		
Listened polite	and exchange	of small
	uncless tool Their	pheblem
assured them we were	new putting any	acid in the
	at police, we we	co Vedicated
I keeping acid out of it.	Sudicate O V ho	
Date Signed		
I 49 474 Rediforme	WITH CARBONS INTACT URNED WITH REPLY.	

Subject from the Harbor Patrol and that ended, the brok had been acid last week from some lev-known source. If it had been era, eve were unable to locato the source with a compil envestigation Then they said the sever and The brock was now at a pH of 1. Told them if this was so, it was not acid from our plant. Thosed Church & fump eut his car and see if he could find any their out [We were not descharging any acid nor had we discharged any. As matter of fact, we Distribution & avoid any stigman from the acid in The brech which was not cleaving. This plus Vemdays flooding should have had everything cleaned out from the poerious weeks publim. I had Checked the booth about 10 min before They came and fund it micely muetral, ditto our effect, and detto brook side of the acid pit ? Right after & had made a positive state of the curacil acid was not from us, Morpe it was fust coincidence and they thought the SEND PARTS 1 AND 3 WITH CARBONS INTACT 4\$ 474 Rediforme PART 3 WILL BE RETURNED WITH REPLY.

Subject cance to the conclusion I did not udmit we were and what would we to under Date SEND PARTS 1 AND 3 WITH CARBONS INTACT 45 474 Rediform® PART 3 WILL BE RETURNED WITH REPLY.

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•			•	
To		At		
Subject	·	,		Date
<u>Cl</u>	The they	had exp	versed	a disinterent
en awaiting Ches				
while they were	still	Keno.	V let	him report
in front of the		He hod	ludee	O forence Ilao
acid in the bloc				
However, Le tiracco				
a few hundred of	ec Y eep	s troans	. He fo	rend AN Ocid
as the breach app	weacho.	I aveni	ie jo	from the
constream side e			/ _	L.
				Coon were
pleased with The	i fine	Cing and	is app	leaved that
DUPLICATE Sig	meet	ing of	elevefil	Z
DUPLICATE Sig	ned		****	
A	leve is	posaphra	sing of	what &
Constitue as three	eto (or	weiled z	Reat)
A) If do one	was e	soine &	admi	t The acid
today	My Stu	amures 1	121.5.as	
evould	have &	put he	boots	on tomordous
and t	legally.	pin poins	1 The	eulprit.
B) Vuico w	e euses	tel it	wasn't	es, They would
laur &	nefer ?	the matt	~ B Z	LO USAE
@ No stone	everla	O be lef	1 em-tu	sued
(D) Abone one	had	& admit .	et and	I file a program
3 Sig	ned	1 1	4	
SA74 Rediforme	ARTS 1 AND 3 V	VITH CARBONS IN	TACT	

•	•	,		841400052
То		At		
Subject			- [Date
	of consection	with Mr	Mitchell -	- or that
	of correction	reld end	Deep tal	heir dollars
	with him			
(E)	That Their po			
	high.			
(e)	That the a	vere mons	spending	a considerable
	· Lean e	ende sain	e a cousia	lesable expense
				I lock this to
				or of their
				(Vwondes if
		• -	my but es	e .\ \
A was	met a please			
DURKATER	1 Signed		01	÷

Signed Date SEND PARTS 1 AND 3 WITH CARBONS INTACT 45 474 Rediform® PART 3 WILL BE RETURNED WITH REPLY.

To Skonge		At		
Subject	Deort		Date 2	17/66
as so	ogveed,	called hir	The tank	w
people and the				
	mice chat u			
Taulan Suc.	le sec.	-I please	of that w	o rulld.
	case of Eigence			
go on kud				
The Sha	and had	long long	Tell alt	lo :
generally sopen	his Your	had enfor	coston V	was
talkis for	The fail			
	hot frame	aus resul	Lo of our 3	Very The
enterse o				
Her is seen	-any of the	p of empor	stance for	i the
RETURNATION	Signed la	elewithma	Ha SHAMASUS	
	10114			
O R	ll Vit en	roccessorily	Colleting	about
- Leving Hanse	I for some The	we det	law down	Le Las De
Carefull, Voca	eneral sa	-fler non	en luston	
and feels	and tent	esult, wil	Opis por	(sectaels
Culput in	non-Conflic	til teek	wid mid	
	belified sin			
	unication ax	The second secon		
The state of the s	i artes ixewe f	A STATE OF THE PARTY OF THE PAR		
1	of We are	only one	who has co	melini.
Date	Signed			
4S 474 Rediform⊕	SEND PARTS 1 AND 3 V PART 3 WILL BE RET			

	To
	Subject
	to buck who use acid: When V could not
	lead him into even see pecting to might
	not have all or cornel info, told him that
	& best of my knowledge Chen Time's business
	encluded custom metralifation of other
-	peoples acids - and at Newash. (Challe up one
-	more enemy! . He allowed that ever of this
-	was so, and even if they got sub the brook
1	(V do not know if it is the !) it it would be
	a graveoincile es if they mill was red
11.9	Valinivated his this the burille
	OPTIMATO
- (RETURNIQUE Signed and Harrious filtrates muglit
-	well be red. (Voide want & shirt the close
	Ba Plute Euroner). (E) Mobilers long tall - Alspecial Define
7	the is going & meet me William 2/23 Della
	For who ever is down it is class It the Charles
18,180	I fee me foction every chief) - a Caffet free for
	poleticus some hill of report his the
7	
3.	
	Date Signed Signed
	45 474 Rediform® SEND PARTS 1 AND 3 WITH CARBONS INTACT PART 3 WILL BE RETURNED WITH REPLY.

841400055 Mr Shansures - Barlow Patrol - have date for Wedves 10 AM 2/23 2/17 & CPM XW 2/22/66 We meet - Le agreer & te-Spen. ain for copy of new deadings 2/23 I mail ac Grening letter & Mrs

	Subject Sicol
	Subject Date Date
	The art confirm will report to
-	Mr Grass of Chemical Tankers visited tolong in
	work clothes. I whoused him our occumulated
	evidence and made the pitch you would expect (&
	To and courince him we were met putting and we
	It and Convince him we were not putter, and we she brown and to persuade him & to more towarding).
	Just CPM of with him Sownstwan & even
	east of du P. Ey caseful sampleis and well lide
	for in mind policieres da Colorele Tors oude
	avea, and also strived - trook was mathely strede
	REPORTED BURN BURN BURN BURN BURN BURN BURN BURN
. ^	
,	Mr Shurs entered now by print profesty
	and quick found an acid polarities leady this
٤	The last for det we thirt ly with
	brance of the brack and state the black states
	Mulinis retente Dail till he lower some is Of
	I was not us . A plant It USA E Decide land to
	Latter evidence (salfler plate of les) . Collette
	Mo Mitchel (President of ct) told him be was convered to the were
<u></u>	AS 474 Rediforms SEND PARTS 1 AND 3 WITH CARBONS INTACT
	PART 3 WILL BE RETURNED WITH REPLY.

To	ensertes.		ATTE			
Subject					Date 1	
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(phone)	aid Add		meening	promise.	Parane.	it is
Aug direct	Accel per	Charles are	15 sau 6		ade -	
	The sone		lie	Sin O	ad see	
	139 777					
	Conce					
- The State of the		可在1000000000000000000000000000000000000		STATE OF THE STATE	Carried to the Carried to	A TOTAL PROPERTY OF
		A STATE OF THE PARTY OF THE PAR		战。25年6月19日 1953	The second of the	
RETURNATO		e Tra Signed # 5		Chille 1		
Date		Signed But				
45474 Rediform	0 1 2 3 3		ND 3 WITH CAR BE RETURNED W		2.3	2.17

VICTOR A. SHAMMAS

INVESTIGATOR
HARBOR SUPERVISION BRANCH
U. S. ARMY ENGINEER DISTRICT, NEW YORK

AREA CODE 201 HENDERSON 3-6110 3-6111

111 EAST 16TH STREET NEW YORK 3, N. Y. HLLIANCE COLIA + CHEMICAL CO 33 AUGNUE P NEWARK, N.T. 07105

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CORPS OF ENGINEERS, U. S. ARMY SUPERVISOR OF NEW YORK HARBOR

111 EAST 16TH STREET NEW YORK, N. Y. 10003

841400060

IN REPLY REFER TO

NANSL Case No. 65-294 9 March 1966

Alliance Color & Cremical Co. 33 Avenue P Newark, New Jersey 07105

Gentlemen:

Reference is made to our letter of 11 January 1966 and your letter of reply dated 20 January 1966 concerning the illegal discharge of acid into Newark Bay in violation of Federal Statutes (T.S.C. Title 33, Section 407).

On several occasions, during the month of February 1966, inspections revealed that acid was still being deposited into the bay. We are aware that you are attempting to correct the situation, however, investigation disclosed that action taken to date had not completely negated the pollution.

Expeditious correction is of primary importance since the materials deposited have been found to be excessively acidic and injurious to navigation.

A reinspection will be conducted to insure compliance with the cited Federal Statute.

Very truly yours,

F. R. ULRICH

Major, Military Police Corps Assistant Supervisor of

Mllml

New York Harbor

Place action

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841400061

March 24, 1966

F. R. Ulrich, Major, Military Police Corps Assistant Supervisor of New York Harbor Corps of Engineers, U. S. Army 111 East 16th Street New York, New York 10003

Dear Major Ulrich:

Reference: NANSL-Case No. 65-294

This will acknowledge your letter of March 9, 1966, and present a summary of our Company's actions during the trying days of February.

Corrective measures detailed in January had been successful, and we were, frankly, puzzled when we heard that acid in the bay was being traced to the brook outfall. Routine supervision of our flow did not show even a one time incident which could account for any part of the problem.

It was a real blow when the plant suffered a system failure on March 9th and its effluent ran acid for a brief period of time.

Although we are not attempting to excuse this violation, it was, nevertheless, a small, minor leak. Shutdown followed in a matter of minutes, and repair was made promptly. No one at Alliance could visualize this small trickle as the source of the problem in the bay. However, everyone recognized the seriousness of the situation. We elected to increase our watch on the effluent and to begin to monitor the brook along our property, and to do this with only highly placed supervisors.

After a few days on this regime, representatives of a steamship company visited and said that the brook was running acid at that time in the downstream areas. This was confirmed as so. This, despite the fact that we had numerous and continued neutral readings on the brook in the upstream areas near our plant.

F. R. Ulrich, Major, Military Police Corps

March 24, 1965

The only possible way to explain this (and past puzzles) was to theorize that an acid stream was entering the brook at some point downstream of Alliance.

An equally disturbing thought began to emerge at this time, and this was that Alliance was being considered the source of any acid in the brook, whether or not they were in fact the contributor.

In view of this, we felt it necessary to go to some extremes in an attempt to establish that we were not the cause of the acid waters. Production was both cancelled and rescheduled, and every effort was made to insure that we would not be a victim of mechanical or human failures. Then the monitoring of the brook was extended to its length insofar as it could be done without violating property rights of others. Readings of the brook's pH at various points were recorded together with time and date, and all correlated to the tide (because the outfall has a tide gate).

In a few days evidence enough existed to convince us that there was an acid stream entering a branch of the brook somewhere between Avenue P and Doremus Avenue and that this stream accounted for the acid in the brook and in the bay.

With this evidence in hand, we asked your people to re-investigate or, if the case was considered closed, to re-open it. After meeting with us. Mr. Shammas agreed to a new look at the matter.

Undoubtedly, reports of subsequent findings are at your finger tips so there is no need to write further, except to add that it is our understanding an acid stream was indeed located and that it is unassociated with Alliance.

Let me reiterate that, as a matter of Corporate policy, we are dedicated to keeping acids out of this brook and welcome both any help that youk people can give us and any inspection team that cares to visit at any time.

F. R. Ulrich, Major, Military Police Corps

March 24, 1966

In closing, I'd like to take a moment to tell you that your field people have our highest praise. There has never been an instance which could lead us to say less than the best about them.

Sincerely,

ALLIANCE COLOR AND CHEMICAL CO.

Frank W. May General Manager

FWM: ao

TARESTEEN.

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Subject			Date -	123/66
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Sat: 2/12/66.	
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SAMPLE TYPE/ NUMBER	BSA NUMBER	TIME COLLECTED	SAMPLERS	DESCRIPTION/LOCATION
5.1, 8 TCL+30 PHC	101998:33	1205-1217	C. Ho Is Trans	Collect at surface level from a Mound. The ARGA WAS void of vojetation, Sample is described as a dank spand with an oily substance in it. The Sample was collected west of building My.
51-5 TCL+30	10159834	1201-1215		Sample was collected at a depth of two feet, are void of vy itation. The top one foot was a red the second foot was black and sandy with build debair mixed in Sampk! was collected. Sample was collected. Sample was collected was collected.
30.1-10- TCL+30 Vo's	10199835	1225-1240	B. Tozpey	Sample was collected at Juntaco level. The Soil was dunk, and only with amounts of gravel in The "Sample had—an organite odon.
50.1-13(04p).	10199836 10799843 10159837	1225-1240	C. HolsTeom	Samples were collected at a sunface level in an void of vegetation, on the South Side of the Site The Soil was dark and only with gold flexs in
841400067			••	/W.

SAMPLE TYPE/ NUMBER	BSA NUMBER	TIME COLLECTED	SAMPLERS	DESCRIPTION/LOCATION . !
Soil-1 [CL+30 Ve's	10199 826	/037-/042	K. Kloo D. Mustese	Collected at 3 inches and described as draking, fill Soil, AREA WAS' void of wege Tution. Located at Northwest Corner by fence
CL+3000000000000000000000000000000000000	10199827	1059-1115	D.Mullise	Collected at a depth of Six feet, in Described as dank silty, soil with plastic debais, and an 'magnuic odon. The an. is slightly west and wants of Aque Amorenia's stoneme in and is void of vojeta Tibu.
CL:130	10199829	1105-1720	B. Tangay	Collected at a depth of ONE TO ONE and half feet. Described as Red Clay with Black Streaks. The anea is southwest of the Aqua Ammonia Storenje tunks, and has limited vajotations
7-4 7-61 +30	10/97729	1167-1115-		Collected at five feet. Pasopbed as dank, with pieces of Hobris and a Strong engante odon. Collected from an ance west of The Aqua Ammonta TANK near the fine line.
Soil-5 VOS Dioxin	10/99830	1118-1125	C. Halstrom	Collected at Two and one half fact. Described as Black only, silty Soil with a possible on jamic odon. Collected from an area west of the Sewen Collection Basing with limited in The
841400068	10199332	//:57-/2:/S	K. Kloo	Collected at a depth of four feat, Described as dank organic marchal, mixed with find stay sand and debuis with a strong organic odor. Sample was collected in an anen of I mited regetation South of the Sewer Collect busin.

LOCATION: 309-327. AUE P

NewARK, ESSEX County, U. J.

SUMMARY OF SAMPLING DATA
VOLATILES

PAGE / OF 1/2

DATE SAMPLED O. Toben 19,1589 SAMPLE NO. MATRIX - So./ UNITS Chloromethane Bromomethane . Vinyl Chloride Chloroethane Methylene Chloride 17(50) 123 180 28 12.00 2001 12 Acetone 580[] 8,500 1/0(0) 61 44 300 (D) 61 4880 Carbon Disulfide 1,1-Dichloroethene 1.1-Dichloroethane 1,2-Dichloroethene Chloroform 1,2-Dichloroethane. 2-Butanone 1,1,1-Trichlorosthans Carbon Tetrachloride Xylenes 130(50) 1800 840) 890(1) 930(1) 1/00 1807 33 300' 19400 426

5:50.

1.15 16/0

29(50) 180 260

490)

370(1)

180(1)1/2/0(1)

32:100

5.3

10 JD

DATE SAMPLED O.T. 19,1989

5-1-

SAMPLE NO. MATRIX - Soil

Vinyl Acetate

Bromodichloromethane

1,2-Dichloropropane

Trichloroethene

5 2 1 - - 11/2 .

Dibromochloromethane

1,1,2,2-Tetrachloroethane

trans-1,3-Dichloropropene

UNITS

SAMPLE NO MATRIX - So, /		:	•		•		٠.		•		
UNITS	5-1	5-2	5-3	5-4	3-5	5.7	5-8	<u>. 5- \$</u>	5-10	5.11	. : :
Pheno1											
bis(2-Chloroethyl) ether					·					16.	. ;
2-Chlorophenol											• ` i
1,3-Dichlorobenzene			1		43(5)		1.	[1
1,4-Dichlorobenzene	1 .	14,200 (3	r')	4,600(5)	730(1)	520(7)	120(5)			i
Benzyl alcohol		İ							i:		-
1,2-Dichlorobenzene							1				1
2-Methylphenol				2 900/5)			:				1 :
bis(2-Chloroisopropyl) ether											
4-Methylphenol		i	1.			<u> </u>					
N-Nitroso-di-n-propylamine					1						ī
Hexachloroethane						<u> </u>		. (•	T
Nitrobenzene		İ			1 :]	Ì				:
Isophorone		:	:					•	j		
2-Nitrophenol			<u>.</u>			1	<u> </u>		j		
2,4-Dimethylphenol		!									
Benzoic acid		;	! .	3,5"		1	<u> </u>			<u></u>	
TT (1388700	9 (1,646)	00/345,4	100/ 2,313,000	762,100	169,400	38,650	17630	1/,211,60	12,556,0) Q

DATE SAMPLED - GeT 19,1989 SAMPLE NO. MATRIX - So. / UNITS

MATRIX - Soil					:				
UNITS	5-1	5-2.	5-3	5-4	5-5	5-7	5-8	5-9	5-10 5-11
bls (2-Chloroethoxy) methane			,			1 4	•		
2,4-Dichlorophenol				14,000(1)	7400		280(5)		in the second
1,2,4-Trichlorobenzene	28,000(2)	7600(1)	5200(T)	13,000 (5)	l1 í	140,57	·		
Naphthalene	18,700(T)	i .	1.	4	1300(1)	6600	1,300 (1)	25000)
4-Chloroaniline	1	· · · .		t	2600(3)	•.		ŀ	
Hexachlorobutadiene								i	İ
4-Chloro-3-methylphenol			·	ŀ				i	:
2-Methylnaphthalene					2000(1)	1000/1	11co(T)	1300(J)	:
Hexachlorocyclopentadiene	; ;	• .							i
2,4,6-Trichlorophenol		· · ·							
2,4,5-Trichlorophenol				3,600(3)		. :	1		
2-Chloronaphthalene	÷								
2-Nitroaniline									1/0000
Dimethylphthalate	. !		·				1		
Acenaphthylene	-	<u> </u>				110(3)	1280(丁)	180(11	
2,6-Dinitrotoluene	.	•		İ	1		1		
,	<u> </u>		:	- 1	;				

SUMMARY OF SAMPLING DATA SEMI-VOLATILE COMPOUNDS (CONT.)

, 5-13
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110,060(1)

DATE SAMPLED - OCT 19,4989 SAMPLE NO.

SAMPLE NO. MATRIX - S., /				•			•.				•
UNITS	:	5-1	5-2	_	5-3	5-41	5-5	5-7	5-8	5.9	
-Nitroaniline										•	\
cenaphthene	.			. \$				520(J)	:	560	· is,
,4-Dinitrophenol	•	·	[:	· .					·	
-Nicrophenol			·	1							
)ibenzofuran	1.	•	1.	1	· .			340(3)	110(1)	370(T)	• :
2,4-Nitrotoluene Distratificat			ţ	:				• .	5451		
lethylphthalate	i		i				•				
-Chlorophenyl-phenyleth	er:		i				·			,	
luorene	i .	· . ~.	. !		·			560 (1)	240(1)	630	
-Nitroaniline	•										
,6-Dinitro-2-methylpher	101		.			<u>^.</u>	:		·	·	
l-Nicrosodiphenylamine	: -		-					170(3)			
-Bromophenyl-phenylethe	r			: .		: '			·	1	
lexachlorobenzane			1	***	1					·	l
entachlorophenol	. !		!	٠	 	<u> </u>					<u> </u>
henanthreno			i			3 900 151	1 3 Stoot	2900(1)	7800(1	3500	
inthracene , , ,	. !				1.	1	_	(.80(I)	920(5	1	

SUMMARY OF SAMPLING DATA SEMI-VOLATILE COMPOUNDS (CONT.)

MATRIX - So.7 UNITS 5-1 3-2 5-3 5-4 3-5 5-7 5-8 5- Di-n-butylphthalate 710 350(15) 220(15) 220(15) 240(15) 5405(15)	•
Fluoranthene 100 350(18) 220(18) 100(9 5-10 5-1
Pyrene 2800(J) 5700 4500(J) 5405(J) 5/00 Butylbenzylphthalate 4/800(J) 3/00(J) 4500(J) 4500(J) 2500 3,3-Dichlorobenzidine 1/800,000 E 1/800,000 E 1/900(J) 1/900 Benzo (a) anthracene 3500(J) 1/900(J) 1/900 Chrysene	ומס
Pyrene 4.81d J 3100(J) 2400(J) 4500 (J) 2500 Butylbenzylphthalate 1,800,000 E 1,800,000 E 1,000,000 E 1,000,000 1,000(J) 1,000(J) 1,000 1,000(J) 1	14.
Butylbenzylphthalate //40(T) 3.3-Dichlorobenzidine //6,666(J) Benzo (a) anthracene //6,066(J) //600 Chrysene //600(T) //600(T) //600	
Benzo (a) anthracene (1,000,000 F) (1,000,00	
(hrysene 1,000,000 1,000(J) 1,000(J) 1,000(J) 1,000	
Chrysene	
31,000 (3) 14000 (5) 1500(5) 2760(1) 1500	
bis(2-Ethylhexyl) phthalate 20,000 (7) 5900(5) 2200 (7) 24000(0) 170(513) 15,000	(B) 794x
Di-n-octylphthalate 72(J)	1
Benzo (b) fluoranthene (4400 (5) 23cs(5) 4500 (3) 12300	
Benzo (k) fluoranthene	
Benzo (a) pyrene 3700/51 980(3) 2400(5) 1100	
Indeno (1,2,3-cd) pyrene (4,000(5) 820(3) 790(5) 830(5)	
Dibenz (a,h) anthracene	
Benzo (g,h,1) perylene 2800 (J) 760 (J) 690(J) 543(J)	

SUMMARY OF SAMPLING DATA SEMI-VOLATILE COMPOUNDS (CONT.)

DATE SAMPLED OCT. 15,1989 SAMPLE NO. MATRIX - S!		· · · · · · · · · · · · · · · · · · ·						
UNITS	5-13							
Di-n-butylphthalate		•	· .	:			,	
Fluoranthene							`` `	
Pyrene		•		•.				
Butylbenzylphthalate		•					•	
3,3-Dichlorobenzidine						**************************************		
Benzo (a) anthracene					· . •			
Chrysene '.								
bis(2-Ethylhexyl) phthalace	55000 (1)		·				. :	
Di-n-octylphthalate		•			•			
Benzo (b) fluoranthene								
Benzo (k) fluoranthene				• .				
Benzo (a) pyrene	. !	-		•				
Indeno (1,2,3-cd) pyrene				 	:			
Dibenz (a,h) anthracene					•			
Benzo (g,h,i) perylene						· · · · · · · · · · · · · · · · · · ·		
								

DATE SAMPLED -Oct. /5,/589! SAMPLE NO. MATRIX - So. / UNITS		Norie DETECTEA	•	
alpha-BHC				
beta-BHC	•			18.0
delta-BHC				
gamma-BHC				i
Heptachlor				.*
Aldrin				
leptachlor epoxide				
Endosulfan I				
Dieldrin				•
4,4' -DDE : :	1			
Endrin				·
Endosulfan II		en en en en en en en en en en en en en e		
4,4' -DDD				
Endosulfan sulfate				
4,4' -DDT				
1ethoxychlor .	•			:
Endrin ketone				

SUMMARY OF SAMPLING DATA PESTICIDES AND PCBs (CONT.)

DATE SAMPLED -Oct 19,1989.
SAMPLE NO. MATRIX ~ Soil UNITS 5-10 5-11 5-13 alpha-Chlordana gamma-Chlordane Toxaphene Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 5000/01 16,660 (D) 4900(D) Aroclor-1254 4900 (0) Aroclor-1260

SUMMARY OF SAMPLING DATA METALS PPM

DATE SAMPLED - Oct 15,1589 SAMPLE NO. MATRIX - S...

MATRIX - 5. Units	.,,		•							•		
ONII3	5-1	<u>5-2</u>	ر. ج.	5.4	5-5	5-7	5-8	1 5-	9 S-1	0 5-11	5-13	1
Aluminum	1630	454	0 540	0 5350	2720	4/6.31	0 3010	0 4/95	0/4/20	3730	3490	
Antimony	1		1	-		17.8	j		1			J.
Arsenic	13.5	4.1	6.3	6.3	15.4	3	5.5	8.2	3, 2	6.1	6.5	
Barium	158.2	211	361	811	1420	1	50.9		1	52.8	52.2	
Beryllium	12.7	2.9	14,2	3.7	4.0	3.4	2.3	\$2.9	1		5.6	
Cadmium	1.7	3.8	5.5	7	10.9	2.2		6.0		[14]	17.2	
Calcium	3920	ł	5860		3440	1/830	7320	16792		3730	4960	
Chromium	92.6	56.9	1	Ţ -	!	1	1	161.9	1	19.5	1114.6	
Cobalt	1				1 .			1				
Copper	103	244	139	207	1251	267	63.7	1050	909	118	130	
Iron		i	i		1.			1	1	1	58200	
Lead	1		l .	1	1430	1		1010	}	194	150	
Magnesium	1	2350		ì		1660		2250		2620		1
Manganese	1550				339	i	730		61.9	•	261	
Mercury	1				.])		0.28		0.69	
Nickel	1 .				1		i	1.19.5	i		152	
Potassium	1	1580		· · · · · · · · · · · · · · · · · · ·		<u> </u>	i	1875	1 2 - 1	3/4/1	<u> </u>	

DATE SAMPLED OCT 19,1997
SAMPLE NO.
MATRIX - 3...
UNITS

	<u>5-1</u>	5-3	5-3	<u> </u>	<u> </u>	<u> </u>	75_;	<u>i J-9</u>	3-19	5-//	<u>5-73</u>	
Selenium	. :		:		2.5			1.8				\
ilver	.:							1.				· Kran
odium	1480	19. 11		1020					1		1	
hallium									ļ	1		
anadium	17:5	19.9	28.5	70.3	441.3	18.8		21.7	12.4	17.3	24.8	
inc			. •							i		:
	50.2	5410	7590	8270	13600	608	342	2500	701	5240	10000	
yanide	0.25	2.6	1.5	4.1	1.4	16	0.63	1.4	3.4	16.3	12.3	•

Other

- Indicates compound was analyzed for but not detected. The aample quantitation limit must be corrected for dilution and for percent moisture. For example, 10 U for phenol in water if the sample final volume is the protocol-specified final volume. If a 1 to 10 dilution of extract is necessary, the reported limit is 100 U. For a soil sample, the value must also be adjusted for percent moisture.
- Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a l:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero. For example, if the sample quantitation limit is 10 ug/L, but a concentration of 3 ug/L is calculated, report it as 3J. The sample quantitation limit must be adjusted for both dilution and percent moisture as discussed for the V flag, so that if a sample with 24Z moisture and a 1 to 10 dilution factor has a calculated concentration of 300 ug/L and a sample quantitation limit of 430 ug/kg, report the concentration as 300J on Form I.
- G This flag applies to pesticide results where the identification has been confirmed by GC/MS. Single component pesticides >10 mg/ul in the final extract shall be confirmed by GC/MS.
- This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action. This flag must be used for a TIC as well as for a positively identified TCL compound.
- This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis. This flag will not apply to pesticides/PCBs analyzed by GC/EC methods. If one or more compounds have a response greater than full scale, the sample or extract must be diluted and re-analyzed according to the specifications in Exhibit D. All such compounds with a response greater than full scale should have the concentration flagged with an "E" on the Form I for the original analysis. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses shall be reported on separate Forms I. The Form I for the diluted sample shall have the "DL" suffix appended to the sample number.
- This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values reported on that Form I are flagged with the "D" flag.
- A This flag indicates that a TIC is a suspected aidol-condensation product.

Under the columns labeled "C", "Q", and "H", enter result qualifiers as identified below. If additional qualifiers are used, their explicit definitions must be included on the Cover Page in the Comments section.

FORM I-IN includes fields for three types of result qualifiers. These qualifiers must be completed as follows:

- o G (Concentration) qualifier -- Enter "B" if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CEDL) but greater than or equal to the Instrument Detection Limit (IDL). If the analyte was analyzed for but not detected, a "U" must be entered.
- o Q qualifier -- Specified entries and their meanings are as follows:
 - I The reported value is estimated because of the presence of interference. An explanatory note must be included under Comments on the Cover Page (if the problem applies to all samples) or on the specific FORH I-IN (if it is an isolated problem).
 - H Duplicate injection pracision not met.
 - N Spiked sample recovery not within control limits.
 - 5 The reported value was determined by the Method of Standard Additions (MSA).
 - Y Fost-digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance. (See Exhibit E.)
 - * Duplicate analysis not within control limits.
 - + . Correlation coefficient for the MSA is less than 0.995.

Entering "S", "W", or "+" is mutually exclusive. No combination of these qualifiers can appear in the same field for an analyte.

- e K (Method) qualifier -- Enter:
 - . "?" for IC?
 - . "A" for Tlame AA
 - "Y" for Number AA
 - . "GV" for Manual Gold Vapor AA.
 - . "AV" for Automated Cold Vapor AA
 - · "AS" for Semi-Automated Spectrophotometric
 - . "C" for Manual Speatrophotometric
 - . "I" for Titrisetric
 - . "MR" if the ensiyte is not required to be analyzed.

A brief physical description of the sample, both before and after digestion, must be reported in the fields for color (before and after), clarity (before and after), texture and artifacts. For vater samples, report color and clarity. For soil samples, report color, texture and artifacts.

Test Report No. A20370 Page 7

GENERAL ANALYSIS DATA SHEET

DEP SAMPLE NO. ' BSA 10199841 S-8

Lab Name: AnalytiKEM		••	
Lab Code: 04012 Case No.	Contract	No.: X-195	
Matrix: (soil/water) Solid		Lab Sample ID:	A20370-1
Sample wt/vol: 10.17	(g/mL) g	Date Received: _	10/19/89
% Moisture: not dec. 15	dec	Date Analyzed: _	10/28-11/1/89
į ;		Dilution Factor:	1:5
		RESULTS	
Parameter .	Sample Concentrati , Units: ug/k	•	
Petroleum Hydrocarbons, by IR	270,000	20,0	00 U

Test Report No. A20370 Page 8

GENERAL	ANALY	SIS	DATA	SHEET
---------	-------	-----	------	-------

DEP SAMPLE NO. BSA 10199842 S-10

•	••	•
Lab Name: AnalytiKEM		· !
Lab Code: 04012 Case No.	Contract No.:	x-195
Matrix: (soil/water) Solid	Lab S	ample ID: A20370-2
Sample wt/vol:	(g/mL) g Date	Received: 10/19/89
% Moisture: not dec. 23	dec Date	Analyzed: 10/28-11/1/8
	Dilut	ion Factor: 1:50
· · · · · · · · · · · · · · · · · · ·		
	RESULT	S
Parameter	Sample 'Concentration Units: ug/kg dw	Blank
Danatau Balancahana ba ID	4 900 000	20 000 π

Test Report No. A20370 Page 9

GENERAL ANALYSIS DATA SHEET.

DEP SAMPLE NO. BSA 10199843 S-11

Lab Nagayc	1KEM		,		1	11	
Lab Code: 04012	Case No.	······································	Contract	No.:	X-195		
Matrix: (soil/water)	Solid	. !	•	Lab Samp	le ID: _	A20370-3	
Sample wt/vol:	10.75	(g/mL)	<u> </u>	Date Rec	eived: _	10/19/89	
Z Moisture: not dec	. 10	dec.		Date Ana	lyzed: _	10/28-11/1/	89
			,	Dilution	Factor:	1:400	
,	•.						
	:		I	esults			
Parameter	•	, Con	 ple centratio ts: ug/kg	n	Method Blank Units:	ug/kg	
Petroleum Hydrocarbo	ns, by IR.	100,00	00,000		20,0	00 0	

Analytiken An American Nukem Company

AnalytiKEM Inc. 28 Springdale Road Cherry Hill, NJ 08003 609/751-1122 215/923-2068

TABLE.5

Analytical Data Report Package

for the

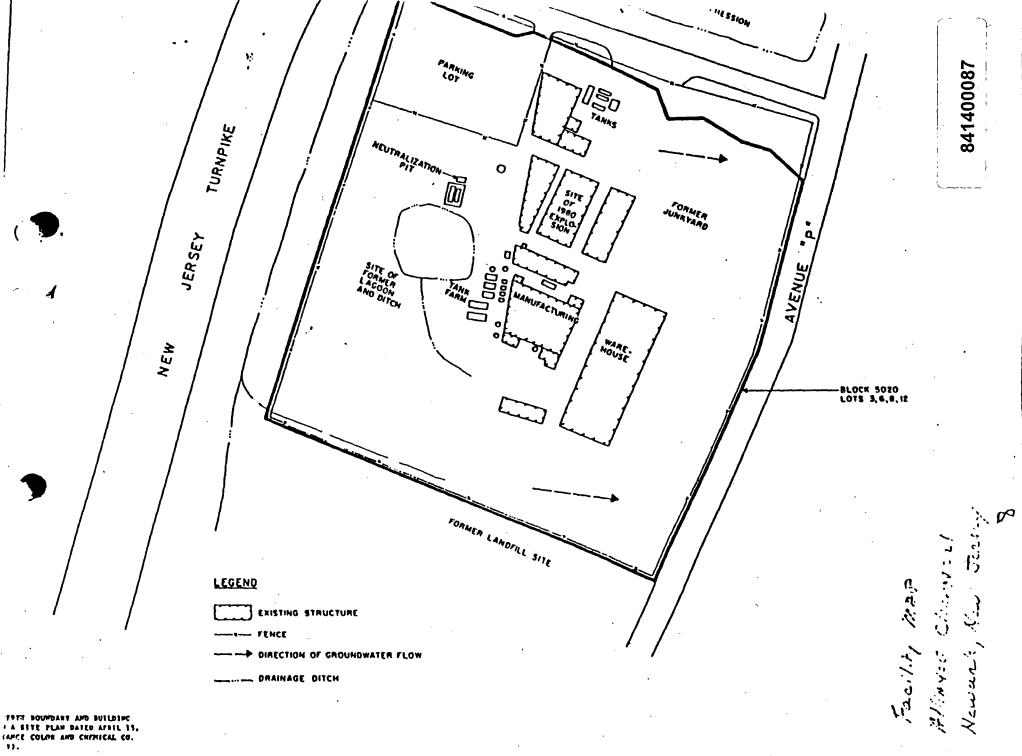
New Jersey Department of Environmental Protection

Division of Hazardous Waste Management

Trenton, New Jersey 08625

Field Sample #	Laboratory Sample #	Date of Collection
BSA 10199841 S-8	A20370-1	10/19/89
BSA 10199842 S-10	A20370-2	10/19/89
BSA 10199843 S-11	A20370-3	10/19/89

Laboratory Name	AnalytikEM, Inc.
Certification #	NJ 04012
Supervisor/Manager Signature	Michaelsknoolli
Printed Name	Michael Shmookler, Ph.D.



TOTA BOUNDARY AND BUILDING TANCE COLOR AND CHIMICAL CO.

1/10/80 PFISTER - ALLIANCE CHEMICAL NEWARK, N.J.

LAGOON	-
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FIRE 3	
ALLIANCE CHEMICAL CO.	
	\

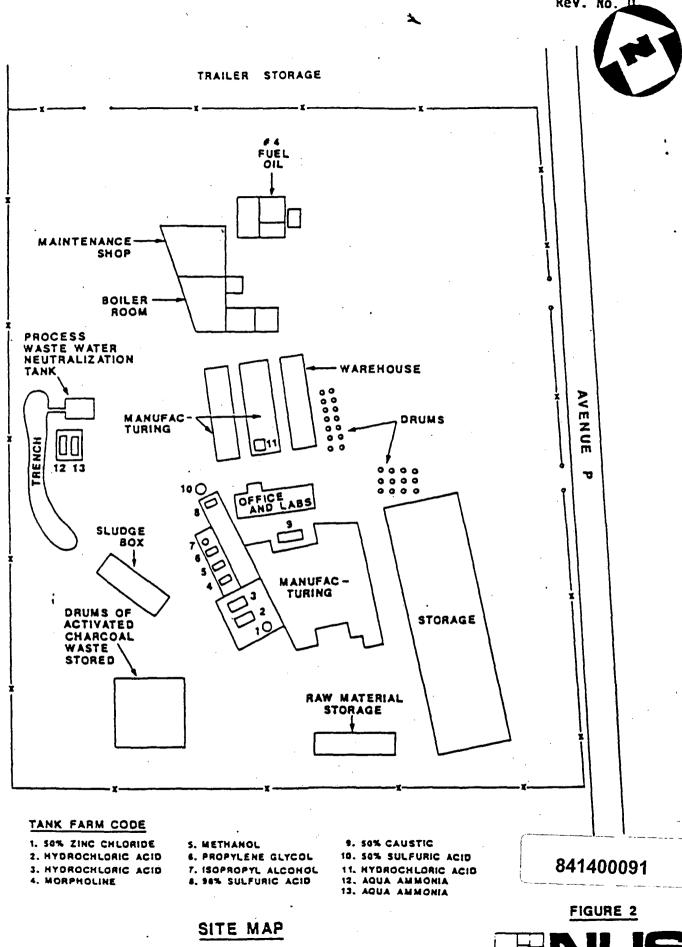
ATTACHMENT HI

841400089 HOUR A MARKIT FENCE Hertralization Building المنافاة عديد #1 Building #5 Building #4 Cold Storage Building Building #3 Fence -5 Avenue P

Facility Drainage Surface Trench Combined Sewer Underground Pipe Combined Sewer, 5-9 Underground Pipe Storm Sewer Building Building #8

5.2, 5.3, 5-5, 5.6+5.7 To be_

Hilliance Chemical



ALLIANCE CHEMICAL INC., NEWARK, N.J.

NOT TO SCALE



02-8904-15-PA

WASTE CHARACTERIZATION DATA

Exhibit A





·· ····	

BROWNING-FERRIS INDUSTRIES

BFI WASTE CODE

IMPORTANT: PLEASE	READ INSTRUCTIONS	BEFORE COMPLETING	THIS FORM

1.	GENERAL INFORMATION:				
	a) Generator's Name: <u>Alliance C</u>	hemical Inc.	b) EPA Generator No	: NJD045794971	
			State Registration No	: NJD045794971	
	c) Generating Facility Complete Address:	309-327 Avenue Newark, NJ 0710		· · · · · · · · · · · · · · · · · · ·	
	d) Authorized Company Representative:			Mgr. Regulatory	Affairs
	e) Phone Number: 201 945-5400	Af	ter Hours Phone Number	201 945-5400	
	e) Phone Number: 201 945-5400 f) Emergency Contact: Roger D. H	uth	Title: Mgr. Reg	g. Affairshone 20	01 945-5400
	g) General Description of The Waste:	soil contaminate	d with #4 fuel of	11	
	h) Process Generating Waste: Drippa	ge from storage	tank loading line		
2.	WASTE PROPERTIES @ 25°C:				
	a) Physical State: [X] Solid	[] Powder .	[] Liquid	[] Semi-solid (sludg	ge) or
	[] Mixture—Describe b) Phases/Layers: [X] Single	[] Rilavered	VISCOSITY: [] LOV	v []Mealum	i j riign
	Percentage Volume Each Layer: Top	; /	Middle%,	; Bottom	_%,
	Percentage Volume Each Layer: Top	[] Lbs./yd. ³	[] g./cc.	[] Other	
	d) Odor: [] None [K] Me) Vapor Pressure (in mm of Hg): ≤ 0.0	ild or [] Strong	[] — Describe		
	e) Vapor Pressure (in mm of Hg): 50.0	07 psia @100°F	(f) Color(s): _	BROWN TO B	CACIC
	g) pH: <u>6 - 8</u> i) Flash Point: <u>> 140</u>	(h) Solub K] °F	ility (g./100 g. H ₂ O):	(1 Open Cup	[X] Closed Cup
_		fer 1 . t.	() "C .	[] Open Cup	[14] Closed Cup
3.	REACTIVITY:			,	
	Hydrophoric [] Yes [i] No	Autopolymerizable		Shock Sensitive	
	Acid Reactive [] Yes [] No	Alkaline Reactive		Pyrophoric	[] Yes [No
	Explosive [] Yes [] No	Thermally Sensitive	[] Yes [JNo	,	•
4.	THIS WASTE CONTAINS:				
	Biological Materials [] Yes [No	Pathogens	[]Yes [INO	Pesticides	
	Etiological Agents [] Yes [1] No		[] Yes [] No	Oils	
	Free Cyanide [] Yes [] No		[]Yes []No	Free Ammonia	
	Radioactive Materials [] Yes [] No	Free Liquids		Absorbents	[] Yes [No
	OSHA Carcinogens [] Yes [] No If yes, specify type (if applicable) and	PCBs: (circle one)	A B C D	.	
_		concentration in the was	ste composition, section 2	•	•
5.	COMPLETE WASTE COMPOSITION:		•		
	ORGANIC		_	INORGANIC	
	#4 Fuel Oil -0.5%	•	. Soll, 1	DCK -	99,5%
			· · · · · · · · · · · · · · · · · · ·	,	
6.	Is this waste a "Hazardous Waste" as define	d by regulations of the U.S.	Environmental Protection	Agency pursuant to 40 CF	R 261 of the Resource
	Conservation and Recovery Act? No		. Vos as defin	and by NIDER	
	Is this a "Hazardous Waste" as defined by		n? res, as derif	ied by Nober	
7.	Is a sample included? [] Yes [📝 I	40			
8.	Anticipated Volume: 12				
	Per. [] Day [] Week [] Month [Year, or [x] Other	one time shipmo	ent	
	To be transported in: [] Bulk [] CEC	O-PAK [] Drums (type/	sizei <u>)) gal. oper</u>	head steel	

Proper USDOT Shipping Name	USDOT Hazard Class		JN or NA No.	Local Haz. Waste No.
Hazardous Waste	ORM-E	N Z	9189	X725
Solid NOS		_		
	PA Hazardous Waste No(s).		· · · · · · · · · · · · · · · · · · ·	USEPA Haz. Code(s)
Required personal protective equipme	• bdi	Gloves	safety glasses	wolvie
kequired personal protective equipme	ent & nanoting procedures:	910463	Sarety grasses	****
Supplemental information attached:				
GENERATOR'S CERTIFICATION:	· · · · · · · · · · · · · · · · · · ·			No. of pages
I hereby certify that the above and attano deliberate or willful omissions of GENERATOR'S AUTHORIZED SIGNATION 10/87	composition or properties ex.	sts, and that all kn	best of my knowledge and own or suspected hazards atory Affairs	d ability to determine, the have been disclosed.
DATE SIGNATURE		TITLE	•	INITIALS
A. APPROVAL STATUS:	IS SECTION IS FOR REGUL [] ACCEPTABLE L CONDITIONS FOR APPRO	[] APPROVA		DISAPPROVED
DATE	SIGNATURE		TITLE/AGENCY	
DATE	SIGNATURE REPRESENTATIVE SA	MPLE CERTIFICATI	•	
s form is to be completed by the person	REPRESENTATIVE SA	oly a representative		COLLECT OR FORWAR
s form is to be completed by the person	REPRESENTATIVE SA obtaining the sample, preferal CK SENSITIVE, EXPLOSIVE, O	oly a representative		
s form is to be completed by the person of MPLES THAT ARE RADIOACTIVE, SHOOT Generator's Company Location of Sampling: Unit, Pone	REPRESENTATIVE SA obtaining the sample, preferal CK SENSITIVE, EXPLOSIVE, O y Name d, Pit, Tank, etc.	oly a representative R PYROPHORIC.	Company's Addr	ess
Generator's Companies Sampled: Tin	REPRESENTATIVE SA obtaining the sample, preferal CK SENSITIVE, EXPLOSIVE, O y Name d, Pit, Tank, etc.	oly a representative R PYROPHORIC.	Company's Addr	ess
Generator's Compan Location of Sampling: Unit, Ponce Sampled: Tine of Waste: (circle) Sludge Wastewater Solid	REPRESENTATIVE SA obtaining the sample, preferal CK SENSITIVE, EXPLOSIVE, O y Name d, Pit, Tank, etc. ne Sampled: Mix Other	oly a representative R PYROPHORIC.	Company's Addr Process Producing Wa	ess iste llected:(specif
Generator's Compan Location of Sampling: Unit, Pone te Sampled: Tine te of Waste: (circle) Sludge Wastewater Solid Phases/Layers: (circle)	REPRESENTATIVE SA obtaining the sample, preferal K SENSITIVE, EXPLOSIVE, O y Name d, Pit, Tank, etc. ne Sampled:	oly a representative R PYROPHORIC. AM PM	Company's Addr	ess iste llected: (specif
Generator's Companies Sampled: Time of Waste: (circle) Sludge Wastewater Solid Phases/Layers: (circle) e of Sampler: (circle) coliwasa Grain Trier Scoop	REPRESENTATIVE SA obtaining the sample, preferal CK SENSITIVE, EXPLOSIVE, O y Name d, Pit, Tank, etc. ne Sampled: Single Auger Pond Weighted	Dily a representative R PYROPHORIC. AM PM Bilayered Bilayered Bilayered	Company's Addr Company's Addr Process Producing Wa Volume of Sample Col Multilayer	ess Iste Ilected: (specified(specified(specified(specified(specified
Generator's Compan Location of Sampling: Unit, Ponce Sampled: Tince of Waste: (circle) Sludge Wastewater Solid Phases/Layers: (circle) e of Sampler: (circle) Coliwasa Grain Trier Scoop	REPRESENTATIVE SA obtaining the sample, preferal CK SENSITIVE, EXPLOSIVE, O y Name d, Pit, Tank, etc. ne Sampled: Single Auger Pond Weighted	Dily a representative R PYROPHORIC. AM PM Bilayered Bilayered Bilayered	Company's Addr Company's Addr Process Producing Wa Volume of Sample Col Multilayer	ess Iste Ilected: (specified
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Generator's Compan Location of Sampling: Unit, Pone te Sampled: Tine te Sampled: Tine te Sampled: Solid Phases/Layers: (circle) te of Sampler: (circle) Coliwasa Grain Trier Scoop Inposite Sample: Id Information: (Comments)	REPRESENTATIVE SA obtaining the sample, preferal CK SENSITIVE, EXPLOSIVE, O y Name d, Pit, Tank, etc. ne Sampled: Single Auger Pond Weighted	bly a representative R PYROPHORIC. — AM PM Bilayered d Bottle Thief	Company's Address Process Producing Wavolume of Sample Col Multilayer Other Volume of sub-sample	ess Iste Ilected: (specified (specified (specified)
Generator's Compan Location of Sampling: Unit, Pone se Sampled: Tine e of Waste: (circle) Sludge Wastewater Solid Phases/Layers: (circle) e of Sampler: (circle) Coliwasa Grain Trier Scoop Emposite Sample: d Information: (Comments)	REPRESENTATIVE SA obtaining the sample, preferal CK SENSITIVE, EXPLOSIVE, O y Name d, Pit, Tank, etc. ne Sampled: Mix Other Single Auger Pond Weighted Number of sub-samples	bly a representative R PYROPHORIC. — AM PM Bilayered d Bottle Thief	Company's Address Process Producing Wave Volume of Sample Column Multilayer Other Volume of sub-sample be managed.	ess Iste Ilected: (specified

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841400096

Finish Time: .



ENVISONMENTAL CONSERVATION SYSTEMS BUFFALD

P D BCX 1361

BUFFALC. MY 14240

716-873-4200 CR 715-282-2676

INVOICE NUMBER: N350050467

INVOICE TO:

PRISTER CHEMICAL, INC..

LINDEN AVE.

1335

RIDGEFIELD

NJ 07657

WORK ORDER #- 261031

SHIP FROM:

11564

ALLIANCE CHEMICAL

... WEIGH TICKETH -- 17572 ---

-303-327 AVE P. NEWARK

NJ 07105

MANIFEST # -NYA5822334

INVOICE

DATE: 5/11/87

SALESMAN: CAMFIELD

ORDER DATE:

9/03/07

YOUR ORDER

NUMBER:

P18665

DATE RECEIVED:

9/38/87

CECCS INTERNATI

F.O.B.: CHASGE

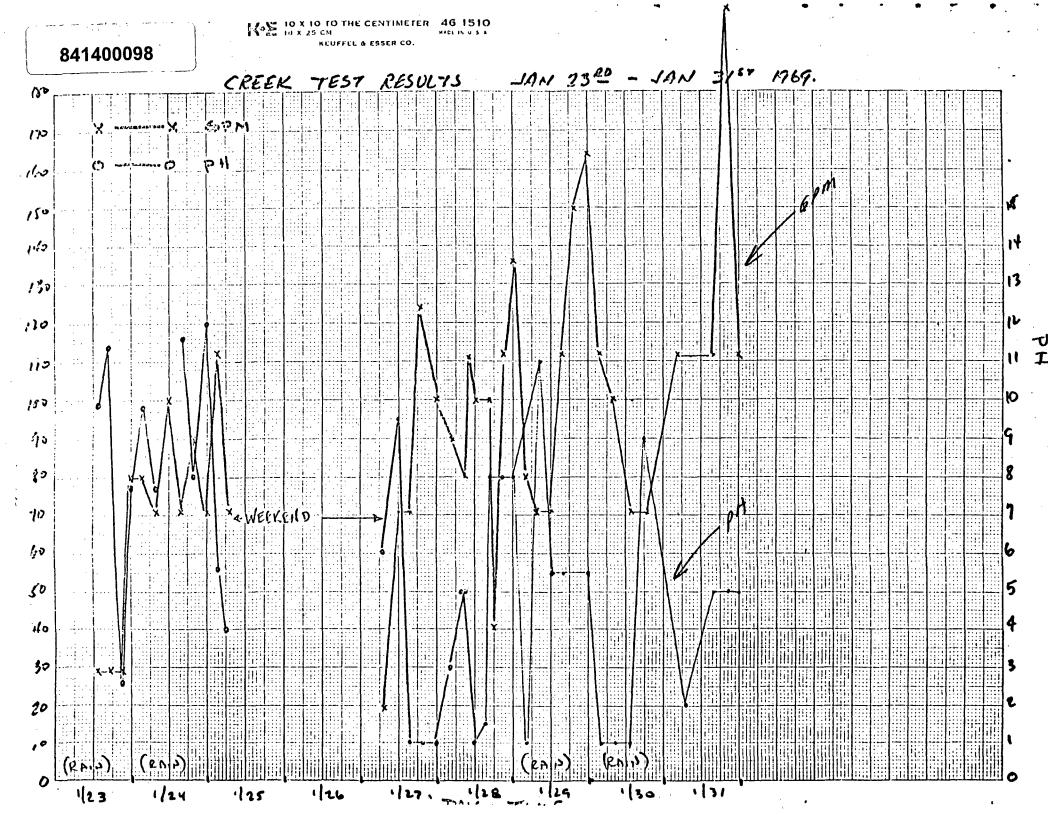
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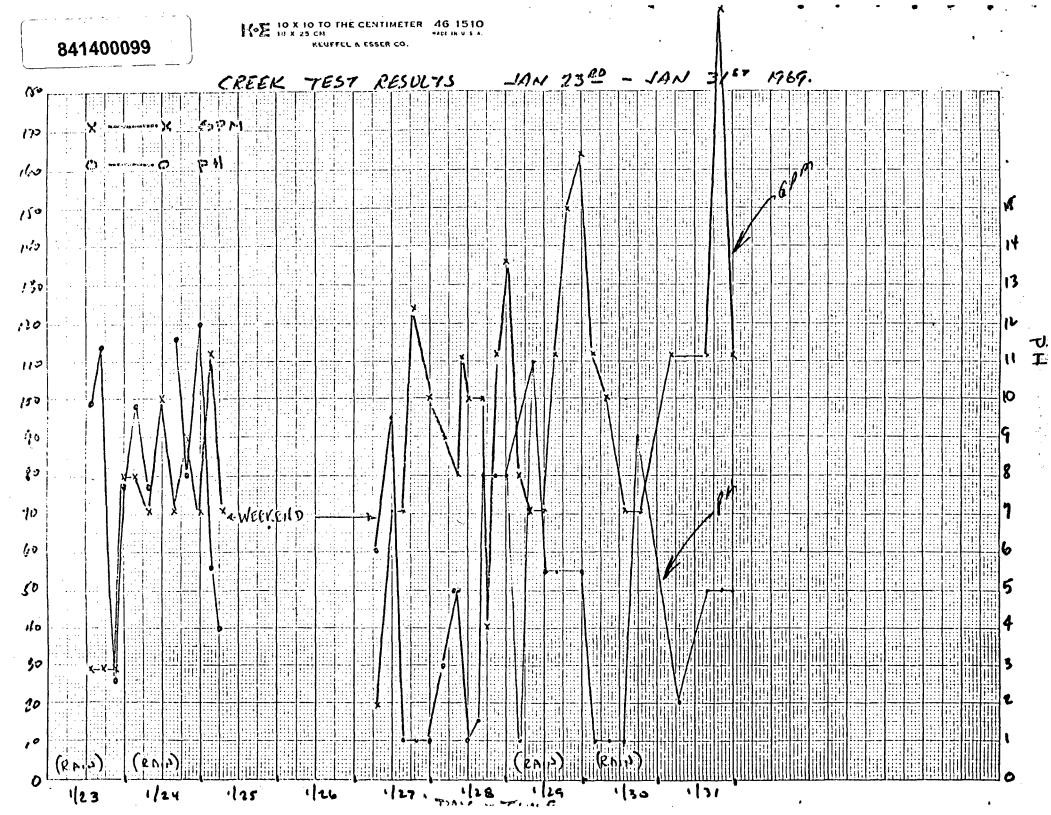
TOTAL AMOUNT DUE

TERMS NET BO GAYS

CERTIFICATE OF DISPOSAL: THIS IS TO CERTIFY THAT THE WASTE MATERIALS HEREIN INVOICED HAVE BEEN PROPERLY DISPOSED OF IN ACCORDANCE WITH CURRENT APPLICABLE LAWS AND REGULATIONS.

Past due balance will be assessed 1-1/2% per month.





TO: FOREMEN AND LAB

FROM: R. B. LEONARD

1-23-69

SUBJECT: SAMPLES AND MEASUREMENTS FROM CREEK

STARTING TODAY (TURUSDAY JAN 23 AND CONTINUING THRU MEXT FRIDAY JAN 31st)
WE WILL TAKE MEASUREMENTS FROM A WEIR IN THE CREEK AND SAMPLES EVERY THEM FOUR
HOURS. THIS WILL ENABLE US TO DETERMINE THE VOLUME OF WATER DISCHARGING FROM THE
PLANT (THE ACID POND IS BLOCKED OFF) AND THE PH CONTROL WE WILL HAVE TO MAINTAIN

FOR MEN:

PLEASE MAKE IT YOUR PERSONAL RESPONSIBILITY TO SEE

WHEN WE EVENTUALLY HOOK INTO THE CITY SEWER SYSTEM.

THAT SAMPLES AND MEASUREMENTS ARE TAKEN AT THE

BEGINNING AND MIDDLE OF YOUR SHIFT. MARK THE

SAMPLE WITH THE:

DATE

MEASUREMENT (INCHES)

TAKE MEASUREMENT ACCORDING TO DIAGRAM AT RIGHT.

LEAVE SAMPLES IN FOREMEN'S OFFICE:

(ART: PLEASE GIVE TO LAS IN MORNING)

TAKE READOLS AT. 13 MINUTED TO THE PROPERTY OF THE PROPERTY O

LABORATORY:

WILL MEASURE OF EACH SAMPLE AND THEM TITRATE WITH CAUSTIC AND REPORT

EVERYBODY MUST COOPERATE IF THE RESULTS ARE TO HE MEANINGFUL.

THANK YOU,

841400100

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acid pit	- 36 × 24	paces		
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			72	
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Havold -

Subject Lewage	Af	Date 6/48/65
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formet the twickle from	our acid por	I which gets
ents the book.	-	
the associated their	with large an	never of acid
detected in river on Val	usday out to	col to brook.
Could not talk him out of	this! am an	sure as can
be about these kind of the	igs, that eve	deil not
acidify being portion of se	- 4	
If samples take	How Today	match sivi
DUHANTER SELECTION SOURCE SA	uples Taker	And we will
receire a citation. Even	if not outs	will probably
I match as would guess it		
our leak. If cited, we		
(or & show cooperation and		
an extension of time)		
Very poor land fil	P maker walls	of acid pit
a nightmane for leahage.	Will wolke las	y & cornet.
	esem effect of	
ground. Noes it get to u		
Date Signed		
45 474 Rediform® SEND PARTS 1 AND 3 W	TH CARBONS INTACT	841400102

·		
To Subject		ate
Ox is	it colorating underground?	The Lo Not
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on adverse	effect of water receiverelation	is the loss
of the consider	Levelle filment effect of a	lean water on
wasters.		
		Doc 4
Uppe	wently. The dope from liv.	Pollulini was
Cornet - Es	le avece is getting attention of	von the long
Eugeneens.	Hackett told me almost	all water-
front plants	Nove been cited. They North case	are recy
DUPLICATEDO	Ulsigned ekolongh, use	a Polatoid
camera as	well as a Movie camera.	work from
both a boat	V + with a shore patrol.	ake samples,
measure Vis	toucer et	ds lenes, el
Col	v is another publine : Oil	also (solvents)
	ou another provience	aceso (-serves s)
a.	- love Team plan we inch	a should
enclude prop	y long term plans we make	A.
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Date	Signed	700
45474 Rediform⊗	SEND PARTS 1 AND 3 WITH CARBONS INTACT	841400103

La La Caración de la caración de la

February 19, 1970

Mr. S. A. Lubetkin Chief Engineer Passaic Valley Sewerage Commissioners 790 Broad Street Newark, New Jersey 07102

Dear Mr. Lubetkin:

In response to your letter of February 16, 1970, we have met with and have obtained an up-to-date realistic time schedule from our contractor, Di Carolis Inc., on the completion of the Alliance Sewer Project.

Since our last letter of January 7, 1970, the manholes have been completed. The remaining work, comprising of in-plant sewer alterations, system tie-ins and utility piping will be completed March 15 at the earliest and April 1, the absolute latest. At that time, our existing system, which discharges into the area drainage ditch will be physically blocked, and all our effluent will be treated and discharged into the Avenue P sanitary and storm sewer systems.

We wish to thank your office and that of the Commissioners for their patience and understanding in allowing us to complete the project in a reasonable manner.

Very truly yours

PFISTER CHEMICAL INC

Judson H. Merl Plant Engineer

jhm;jng

via: Certified Mail

Return Receipt Requested

bc: Messrs. G. Shulman

R. Leonard:

то	Jud Mexel		AT			
SUBJECT	"Flammable" material in	sewer dischafge			12-24-69 DATE	
	The material that Lubeti	kin refers to in	his letter	cannot be ver	ified without s	eeing
	the sample. We have a nu	umber of flammab	le materials	in our plant	. More than li	ke l y
	it is xylol from the dia	anisidine proces	s. We attem	ept to revove	all possible x	vlol fro
	the process but occasion	nally some will	probably esc	ape into the	sewer. (AS IT'S	OMETIMES
	HAPPENS AT RIDSEFIELD.)		·····			
DUPL	ICATE.	SIGNED AND AND AND AND AND AND AND AND AND AN		unt j	in the second se	
DATE		SIGNED				
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DETACH AND FILE FOR FOLLOW-UP

45 469

JAMES J. MCMAHON

DOMINIC W. CUCCINELLO VICE CHAIRMAN

CARMINE T. PERRAPATO

BENJAMIN W. GORDON

SAMUEL L BIBER

PASSAIC VALLEY SEWERAGE COMMISSIONERS
790 BROAD STREET

NEWARK, N. J. 07102

SEYMOUR A. LUBETKIN CHIEF ENGINEER

THOMAS & DURKIN, JR.

MRS. CHARLES T. SCHAEDEL
CLERK-TREASURER

December 18, 1969

R.D.C.

Pfister Chemical Inc. Ridgefield, New Jersey 07657

Attention: Mr. Judson H. Merl, Plant Engineer

Dear Mr. Merl;

A sample taken from your Newark plant of your discharge to Plum Creek on December 10, 1969, was found to be flammable and had a explosimeter reading of 80 per cent. This is a dangerous sample and will not be allowed to be discharged into the sewer when you have completed your connection.

Please determine the source of this material so that it may be isolated from the material you intend to put in the Newark Sewer.

Very truly yours,

PASSAIC VALLEY SEWERAGE COMMISSIONERS

S. A. Lubetkin, Chief Engineer

SAL:mr

c.c. to: Commrs. McMahon,

Gordon, Cuccinello Perrapato Biber

Attorney, T. Durkin, Jr.

Messrs. Goldberg

Barcellona, Cuccinello

Certified Mail



PFISTER CHEMICAL INC Ridgefield, N. J. 07657 Tel. N. J. 201-945-5400 N.Y. C. 947-4934

August 13, 1969

Mr. Seymore Lubetkin, Chief Engineer Passaic Valley Sewerage Commissioners 790 Broad Street Newark, New Jersey 07102

Dear Mr. Lubetkin:

This letter is intended to supplement our letter to you of June 27, 1969, by confirming our meeting with you in your office on August 7th at which time the entire pollution problem, resolution and time table was discussed.

This meeting was attended by Mr. Charles Motta, Jr., Production Manager) for Pfister/Alliance; Mr. John Connors, Project Engineer at Hydroscience, Inc. and the writer.

A subsequent meeting was held on the same day with Mr. Robert Van Riper, Division Engineer, Department of Sewers, Newark, New Jersey and Mr. Richard Gill, Chief Plumbing Inspector, Plumbing Division, Department of Health and Welfare to discuss the required procedures to tie into the Avenue P sanitary and storm sewer.

Based upon discussions with Hydroscience, Inc., and the City of Newark, a time schedule of our ability to comply with your directive is as follows:

- 1. Hydroscience to complete in-plant survey work, pre-treatment studies, lay out a treatment scheme and submit finding to Pfister by October 15, 1969.
- Pfister to submit application, plans and specifications to Newark Chief Plumbing Inspector and to Newark Division Engineer, Department of Sewers for approval by September 15, 1969.
- 3. Providing approval is received from agencies detailed in item (2) by October 1, 1969, Pfister can have all its effluent properly diverted into the Avenue P sanitary and storm sewers by May 1, 1970.

PFISTER CHEMICAL INC

Mr. Seymore Lubetkin

- 2 -

August 13, 1969

I hope the above time schedule will meet with the Commission's approval. If there are any questions, please feel free to contact us. In the interim, we will keep your office advised of our progress.

Very truly yours,

PFISTER CHEMICAL INC

Judson H. Merl Plant Engineer

JHM/dt

cc: Messrs. Connors

Motta
Shulman
Leonard

June 27, 1969

Mr. S. A. lubetkin Passaic Valley Sewerage Commissioners 790 Broad Street Hawark, New Jersey 07102

Dear Mr. Lubetkin:

We ame of receipt of your letter dated June 26, 1968, regarding water pollution at our Alliance Division Plant, III ark, New Jersey. Our company has already taken two major steps to halt the pollution, which are detailed below.

After six months of continual investigation and expediting with the city of Newark and their contaltants, we have finally have had completed twin stub tie-in connections to the new sanitary and storm sewers on avenue P at a cost to our company of \$5,000. This phase was expedited so that when we are finally in a position to discharge our treated effluent into the sanitary sewer it would not have to disturb the new reseway on avenue P. In addition, we have remained the consultant form of Hydroscience, Inc. to make the lawestigation and evaluation of our plant water effluent to determine what is required by our company to properly comply with the requirements of tying into the lewest on avenue P. Cur contact at Hydroscience is Mr. Howin Barnhart.

At the completion of their investigation, we will then be able to give your Commission a time schedule of our ability to comply with your directive.

I hope that our above unschicited actions will indicate our good faith in recognizing the problems of water pull-luvion and that we will do everything possible to comply

COSIMANE CORPETION

Nr. S. A. Imbetkin Page 2 June 27, 1969

at the earliest conceivable date. Very truly yours,

Judson H. Marl Plant Engineer

D. Leonard G. Shulman C. Motta

Transportation Worksheet

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UNIT # _______

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INVOICE NUMBER: N350050467

INVOICE TO:

PRISTER CHEMICAL + INC ..

LINDEN AVE.

1335

RIDGEFIELD

NJ 07657

WORK ORDER #- 261031

SHIP FROM:

ALLIANCE CHEMICAL

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303-227 AVE P.

11564

NEWARK

NJ 07105

MANIFEST # -NYA5822334

INVOICE DATE:

9/11/87

SALESMAN:

CAMFIELD

ORDER DATE:

9/03/67

YOUR ORDER NUMBER:

DATE RECEIVED:

9/36/87

VIA: CECCS INTERNATI

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TOTAL AMOUNT DUE

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Past due balance will be assessed 1-1/2% per month.

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CECOS INTERNATIONAL, INC. /HAZARDOUS WASTE DIVISION 56th ST. & NIAGARA FALLS BLVD., NIAGARA FALLS, N.Y. 14304 Phone: 282-2676

Trucker Truck #

Time Date
3:40 pm
0.70 /777

March 19, 1974

Mr. John W. Kinder
Industrial Liaison
Passaic Valley Sewerage Commissioners
600 Wilson Avenue
Newark, New Jersey 07105

Dear Mr. Kinder:

As you requested, I am enclosing a scale drawing showing sewer discharge point and sampling location and the manhole where the samples were collected.

I hope this will enable you to complete your Industrial Survey Program.

If I can be of any further assistance, please contact me.

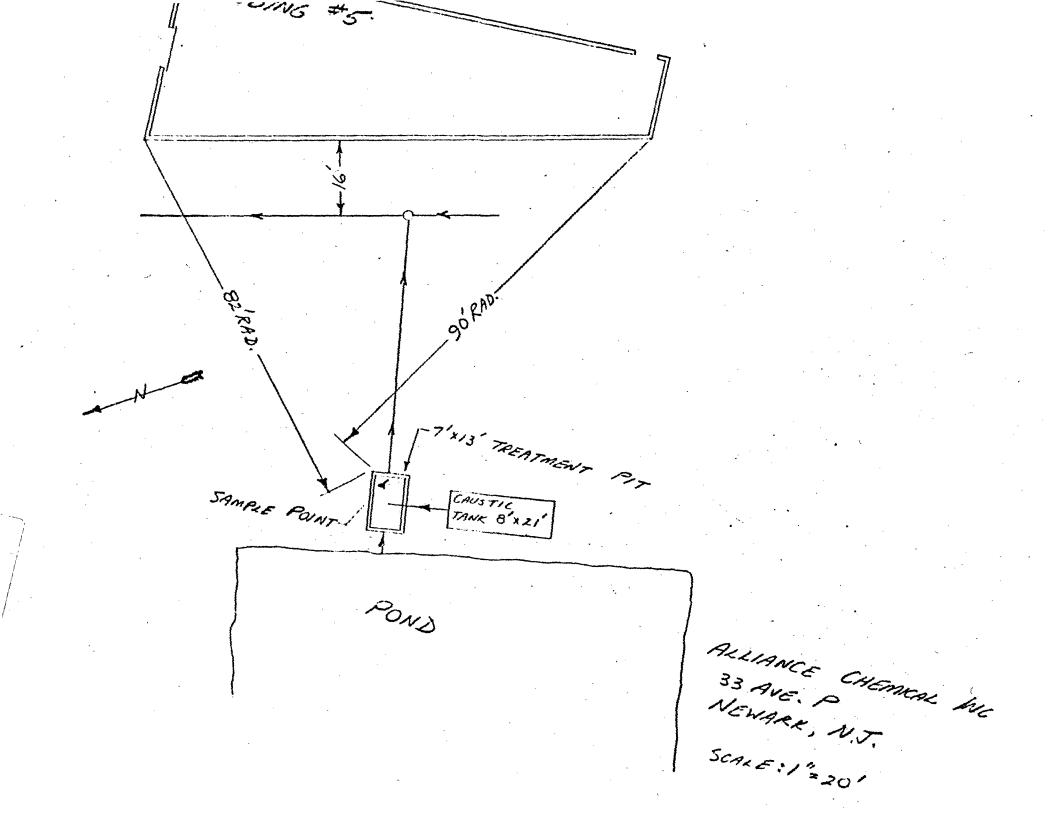
fingerely,

Nicholas J. DiMenna Plant Engineer

N.J.D./dt Enclosure

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

cc: R. Leonard



JAMES J. MCMAKON Charanan

PASSAIC VALLLY SEWERAGE COMMISSIONERS
750 BROAD STREET

THOMAS Z. JURKIN, J.L.

SEYMOUR A. LUBETKO.

CR.27 (1.3.N22.)

DOMINIO W. DICKINGLLO
MARMAN SOLV

CARMINE T. PERRAPATO BENJAMIN W. GORDON SAMUEL L. BIBER

COMMISSIONERS

NEWARK, N. J. 07:02

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June 26, 1969

Prister Chemical, Inc. Alliance Division 33 Avenue P Nawark, New Jersey 07105

Gamtlamen:

This is to inform you that polluting maternal in the Passand River has been traced to your plant. The inchange of this interial violates New Jursey Statutes on taken polluting at once. lution and you are hereby directed to cease polluting at once.

Places inform the Commissioners by return usil so to whom you are doing to halt this pollution and a time lohedule inducating when the pollution will be eliminated.

Very truly yours,

PASSAIC VALLEY SEWERAGE COMMISSIONERS

S. A. Lubetkiñ Chief Engineer

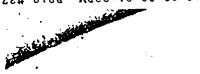
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co: Commus. Gordon and McMahon Messrs. Andolino, Barcellona, Cuccinello, and Goldberg

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OFFICE OF THE COMMISSIONER

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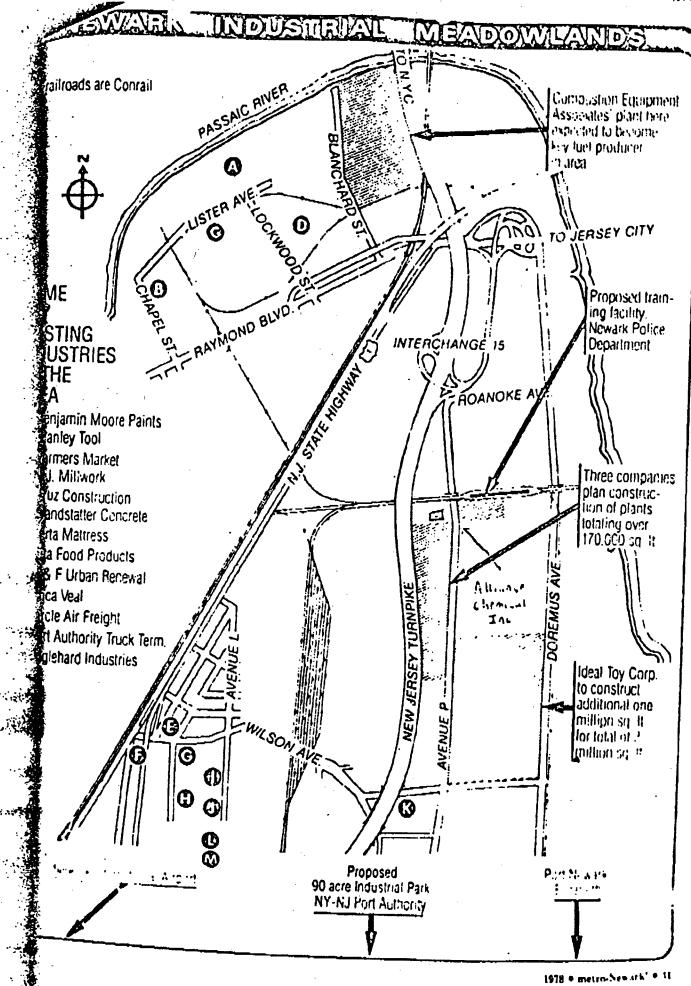
State of New Jersey Department of Environmental Protection

Return forms to:

INDUSTRIAL SURVEY PROJECT P.O. BOX 251.

TRENTON,	NEW JERSEY	08602

SELECTED SUBSTANCE REPORT	
PART 1 - General Plant Information	
COMPLETE ONE REPORT FOR EACH PLANT SITE OR FACILITY LOCATION	
1. Company Name Alliance Chemical Inc.	
2. Division or Plant Name Alliance Chemical Inc.	
3. Mailing Address (Street) 33 Avenue P	
(City/Town) Newark County Essex State N.J. Zip C	ode 07105
4. Plant Location Address (Street) 33 Avenue P (If not as above) County Essex State N.J. Zip C	
5. Date Plant Began Operations At This Location	
6. Person to Contact Regarding this Report W. C. Henning Title Plant Manage	r
7. Phone Number (Area Code)	
8. SIC Code (Four Digit) 2865 Standard Industrial Classification (if available)	
9. Nature of BusinessSpeciality Organic Chemicals	
6. Number of Production Employees at this Plant Site 40	
11. Does this plant manufacture, process, form, repackage, release, use, dispose of or store any of the select shown on Table I of the enclosed instructions? (Check Che) YES (X) NO (ed substances
If your answer to number 11 is "YES", complete the Entire Report for your facility, sign and return.	
If your answer to number 11 is "NO", complete Question 15, sign and return.	
. HEREBY, CERTIFY THAT ALL STATEMENTS MADE BY ME IN THIS REPORT ARE TRUE, COMPLETE TO THE BEST OF MY KNOWLEDGE AND THAT ESTIMATES WHERE USED HAVE BEEN MADE IN GOOD F	AND CORRECT
NAME (Print) D. P. Turtle Signature 3 f. T. T.	
Time Process Engineer Date 6/30/2	2
*2A Seetch (On the reverse side of this page) or attach a copy of a map indicating the exact location of the p	plant site.
"it ".: folly your Dun & Bradstreet number it available.	
FOR OFFICIAL USE ONLY	
	9/1/00120



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111-0	General Information (continued)	Į	1	4	1	\downarrow	.		ļ
iet all	of the selected substances included in this report along with their CAS Numbers (Fro	m	4	4	┦	丰	╀-	L	ł
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astowa	ter Discharges - Complete the following information:		I	I	I				ĺ
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/	Address/Location 600 Wilson Ave., Newark, N. J. 07105	— 	+	+	┿	╀	┼	_	ļ
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	() Scrubber Water, () Other;	<u> </u>	I			1		[,
	s disposal practices (1930-1977). Has this plant previously disposed of wastes cont							_	_

841400122

State of New Jersey Department of Environmental Profession

RT	11	•	SELECTED SUBSTANCE R	(EPC
		500M 505 540 AB		

MPLETE ONE FORM FOR EACH SELECTED SUBSTANCE FOR DEP USE

PBGe

oi

Name and Location of Plant

Alliance Chemical Inc., Newark, New Jersey

Selected Substance Name

Zinc (as Zn dust or ZnCl₂)

7440-66-6

Briefly Describe Its Use On The Site:

Raw material, catalyst and stabilizing agent used in the production of specialty organic chemicals.

CHECK ONE COMPLETE THE FOLLOWING INFORMATION FOR THE PLANT BASED ON 1978 USAGE USE THE RE-ENTER THE ACTUAL ESTI-OR ESTIMATED AMOUNTS UAL 4. QUANTITY PRODUCED ON SITE X lbs/yr. 0 5. QUANTITY BROUGHT ONTO SITE lbs/yr. 267000 6. QUANTITY CONSUMED ON SITE lbs/yr. 0 QUANTITY SHIPPED OFF SITE AS (OR IN) PACOUCT ibs/yr. X 137000 8. MAXIMUM ! IVENTORY bs X 75000 lbs/yr. 9. TOTAL STACK EMISSIONS OF SELECTED SUBSTANCE 0 X ERISSIONS max lbs/day 0 X los/yr. 0 10. TOTAL FUGITIVE EMISSIONS OF SELECTED SUBSTANCE max lbs/day 0 lbs/yr. 11. TOTAL DISCHARGE OF SELECTED DISCHARGE SUBSTANCE INTO SURFACE WATER max lbs/day 12. TOTAL DISCHARGE OF SELECTED SUBSTANCE INTO PUBLICLY OWNED TREATMENT WORKS lbs/yr. 130000 max lbs/day 450

3. DISPOSAL OF WASTE CONTAINING THE SELECTED SUBSTANCE

LOCATION OF FINAL DISPOSAL SITE NAME AND ADDRESS	PHYSICAL STATE TABLE A	DISPOSAL METHOD TABLE B	GUANTITY OF SELECTED SUBSTANCE DISPOSED (184)	FOR DEP USE
None None	1.			
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Dec 50.93 13:30 No.016 P.15

1EL NO.945-0159

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841400124

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pHV 1:20 pm Sat Vo Jun 65 Archer Daniels
pHV 1:20 py Sat Vo Jun 65 Archer Daniels 15 feet out from shore Tide-Low, rising
78 Jun 65
(Planese
11:40 gm North ditch past Chemline near Borenus pHr-3
4/
11:35 am At 30" drain - neutral
Revere - neutral aboved Jelow
Aliv Chemline ditch
phv 1:30pm Chemline and strage pit. Sample
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Tests positive for Sulfat
Odor of creosote



State of New Jersey
Department of Environmental Protection

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SELECTED SUBSTANCE REPORT

COMPLETE ONE FORM FOR EACH SELECTED SUBSTANCE			FOR DEP USE		
1. Name and Location of Plant Alliance Chemical Inc.,	Newark, N.J.	I.D.			
2. Selected Substance Name Copper (as Cu SO ₄ · 5H ₂ 0)	CAS # 7440 - 50 · 8				
3. Briefly Describe its Use On The Site: Raw material used as a compl of speciality organic chemic	exing agent in the production als.				

		,		CHEC	KONE
(COMPLETE THE FOLLOWING INFORMATION FOR THE PLANT BASED ON 1978 USAGE	ENTER THE ACTUAL DA ESTIMATED AMOUNTS	USE THE RE-	ACT- UAL	ESTI-
<u> </u>	4. QUANTITY PRODUCED ON SITE	0 .	ibs/yr.	X	
THROUGH-PUT OUANTITIES	5. QUANTITY BROUGHT ONTO SITE	1600	lbs/yr.	X	
DOCC	6. QUANTITY CONSUMED ON SITE	0	lbs/yr.	х	·
Eo	7. QUANTITY SHIPPED OFF SITE : AS (OR IN) PRODUCT	1500	lbs/yr.		x
	8. MAXIMUM INVENTORY	1000	lts	X	
	9. TOTAL STACK EMISSIONS OF SELECTED SUBSTANCE	0	lbs/yr.	x	
AIR ERISSIONS	SELECTED SUBSTANCE	0	max los/day	х_	
ESUSS	10. TOTAL FUGITIVE EMISSIONS OF	/ 0	ibs/yr.	x	
	SELECTED SUBSTANCE	0	max lbs/day	Х	i z t
5	11. TOTAL DISCHARGE OF SELECTED SUBSTANCE INTO SURFACE WATER	0	lbs/yr.	_X	; 1
MASTEWATER DISCHARGE	SUBSTANCE INTO SURFACE WATER	0	max ibs/day	X	
	12. TOTAL DISCHARGE OF SELECTED SUBSTANCE :NTO PUBLICLY OWNED	100	lbs/yr.		x.
	TREATMENT WORKS	5	max lbs/day		×

13. DISPOSAL OF WASTE CONTAINING THE SELECTED SUBSTANCE

LOCATION OF FINAL DISPOSAL SITE NAME AND ADDRESS	PHYSICAL STATE TABLE A	DISPOSAL METHOD TABLE B	QUANTITY OF SELECTED SUBSTANCE DISPOSED (lbs)	FOR QEP USE
None		,		
7				•
				841400125
1)
			[

Dec 20,93 13:30 No.016 P.14

TEL No.945-0159

PFISTER





SELECTED SUBSTANCE REPORT

OUPLETE ONE FORM FOR EACH SELEC	TED SUBSTANCE	FOR DEP USE
. Name and Location of Plant		J.D.
Alliance Chemical Inc.	Newark, N. J.	
Selected Substance Name 1,2,4 Trichlorobenzene	CAS N	
1,2,4 Trichtorobenzene	120-82-1	

. Briefly Describe its Use On The Site:

Raw material used in the production of speciality organic chemicals

				CHEC	KONE
	COMPLETE THE FOLLOWING INFORMATION FOR THE PLANT BASED ON 1978 USAGE	ENTER THE ACTUAL OR ESTIMATED AMOUNTS	USE THE RE-	ACT- UAL	ESTI-
	4. QUANTITY PRODUCED ON SITE	0	lbs/,vr.	x	
I TES	5. QUANTITY BROUGHT ONTO SITE	38350	lbs/yr's	x	
777	6. QUANTITY CONSUMED ON SITE	38350	lbs/yr.		x
,	7. QUANTITY SHIPPED OFF SITE AS (OR IN) PRODUCT	0	lbs/yr.	×	
-	8. MAXIMUM INVENTORY	16000	lbs -	X	
	9. TOTAL STACK EMISSIONS OF SELECTED SUBSTANCE	0 Insignificant Amounts	lbs/yr.		Х
2	SELECTED SUBSTANCE	0 "	max lbs/day		. X
	10. TOTAL FUGITIVE EMISSIONS OF	0 "	lbs/yr.	,	_X.
	SELECTED SUBSTANCE	0 "	max lbs/day		Х
ı	11. TOTAL DISCHARGE OF SELECTED	0	lbs/yr.	x	
1	SUBSTANCE INTO SURFACE WATER	0	max lbs/day	X	
5	12. TOTAL DISCHARGE OF SELECTED SUBSTANCE INTO PUBLICLY OWNED	0 Insignificant Amounts	lbs/yr.		Х_
	TREATMENT WORKS	0 "	māx lbs/day		X

DISPOSAL OF WASTE CONTAINING THE SELECTED SUBSTANCE

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	841400126

State of New Jersey Department of Environmental Protection

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SELECTED :	SUBSTANCE REPORT		4
ONE FORM FOR EACH SELECTED SUBSTANC	EE	FO	A DEP USE
Location of Plant Liance Chemical Inc., Newark,	New Jorsey	1.0.	
Substance Name	CAS N		1
nc (as 2n dust or 2nCl ₂)	7440-66-6		1 1
escribe Its Use On The Site:			·
Raw material, catalyst and agent used in the product: organic chemicals.	d stabilizing ion of specialty		

			CHEC	KONE
THE FOLLOWING INFORMATION BASED ON 1978 USAGE	ENTER THE ACTUAL OR ESTIMATED AMOUNTS	USE THE RE- QUESTED UNITS	ACT- UAL	ESTI- MATED
UNTITY PRODUCED ON SITE	0	lbs/yr.	Х	
ANTITY BROUGHT ONTO SITE	267000	fbs/yr.	x	
ANTITY CONSUMED ON SITE	: : 0	lbs/yr.	. V	
ANTITY SHIPPED OFF SITE	137000	ibs/yr.	······	x
INTERPORT INTERPORT	75000	ibs	х	
TAL STACK EMISSIONS OF	0	i lbs/yr.	X	
ECTED SUBSTANCE	0	max lbs/day	X	-
TAL FUGITIVE EVISSIONS OF	0	ibs/yr.	_X	
LECTED SUBSTANCE	0	max lbs/day	X	
TAL DISCHARGE OF SELECTED	0	lbs/yr.	Y	
STANCE INTO SURFACE WATER	0	; max lbs/day	¥	
TAL DISCHARGE OF SELECTED	130000	lbs/yr.		v
EATMENT WORKS	450	max lbs/day		Ψ.

LAL OF WASTE CONTAINING THE SELECTED SUBSTANCE

			-	• •
DCATION OF FINAL DISPOSAL SITE MAME AND ADDRESS	PHYSICAL STATE TABLE A	DISPOSAL HETHOD TABLE B	GUANTITY OF SELECTED SUBSTANCE DISPOSED (lbs)	FOR DEP USE
- None				
				841400127

Dec 20,93 13:30 No.016 F

TEL No.945-0159

				Odor of cre	osete
			~	Tests pes	thre for Sulfate
[pHv	1:30 pm Ch	emline acco	d strage	pit. s	iample
pliv	Ches	mline dif	ch		
			· · · · · · · · · · · · · · · · · · ·		
	Reve	YE - neu	tral abo	wed Jelow	
11:35 am		* drain - i		· · ·	
11:40 gm	North a	ditch past c	chem line	Celanese hear Borem	us pHr-3
78 Jun 6					
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PHV	75 4007	Sat Vo Tu	1	T.L. 1	ols 1sing

George Shulman DATE: August 5, 1968

FROM: C. P. Motta

TO:

SUBJECT: Alliance Plant Effluent

For the past six months, the Alliance plant has had increasing disruption of production because of inundation from the drainage stream. The areas effected are: Bldg. 5, drying; Bldg. 4, first floor production; Bldg. 6, downstairs office, foreman locker room, and hourly employees lunch room; and front yard, shipping and receiving.

- 1. Investigation of flooding indicates the following causes:
 - 1.1 Tide gate in Passaic River missing, or completely inoperative, and metal pipe corroded to the extent that a new tide gate, at this location, would not function properly, causing flooding during high tides and heavy rains.
 - 1.2 Hydraulic dirt movements, by the turnpike, caused abnormal flows of water into the same drainage stream being used by Alliance. Because of the problem stated in (1), periodic flooding occurred.
 - 1.3 As recently as July 10 thru July 18, flooding was continuously bad, and not until the Mosquito Commission was forced to bring in their shovel and dig debris from the drainage stream behind Reffer Smelting, did the stream flow freely. This is the same area that required digging two years ago. This debris is not indigenous to Alliance, but is to the surrounding dumps. It is possible, however, that the suspended solids discharged from Alliance could add to the other debris at this location, thus adding to the obstruction.
- 2. The following information was obtained during our attempts to alleviate the stream blockage:
 - 2.1 Mr. Amabile, Director, Essex County Mosquito Commission. The Urban Renewal Project is moving ahead with its program to make land available for industry and, starting July 15, 1968, drainage streams, South of Alliance, are being dug and directed to our drainage ditch, which will all feed through one discharge pipe leading under Doremus Avenue to the Passaic River and through the tide gate as indicated in 1.1. According to Mr. Amabile, due to the inoperative tide gate, plans for a new tide gate East of Doremus Avenue, in the drainage ditch, are under study and consideration.
 - 2.2 Louis LaFera, contractor working on Avenue P, has indicated that an industrial sewer is already in Avenue P and storm sewers will be in shortly. By contacting Mr. Van Riper, City Engineer, Bureau of Sewerage, we can seek permission to tie into the Newark Sewerage System.

2.3 Mr. Berkowitz, of American Fat Rendering Plant behind Alliance, has incurred considerable losses because of the flooding condition. He is currently not hostile toward us, but was when he associated the color of the water flooding his plant to the color of the water in Alliance's acid pond. He has seen the problems as stated and now feels that we have a common problem. Mr. Berkowitz is starting litigation to recover his losses.

Observations:

For the past several years, Alliance has had to account to the Harbor Commission, Passaic Valley Sewerage Commission, City and State, and Air and Water Pollution Authorities for the color, pH, and odors of the drainage stream. Our present method of handling our acidic waste and color is inadequate and would not serve as a convincing method of neutralization of plant waste water.

It has also become apparant that the Mosquito Commission has not been caring for the drainage stream as in years past. They formerly cleared the stream every two years and serviced their "in stream" flood gates.

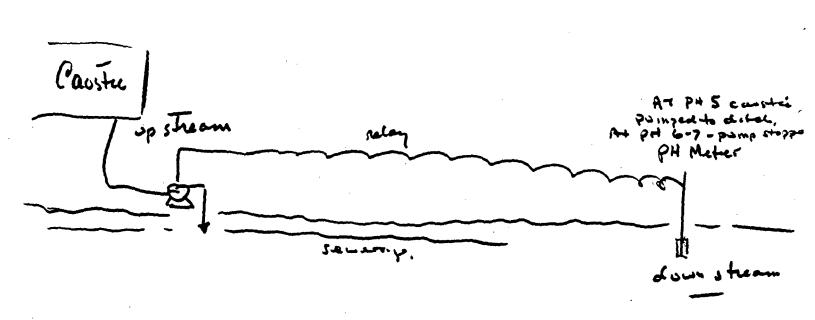
All agencies, listed above, are cognizant of Alliance's plant effluent discharged into the drainage stream and have been procrastinating, for the past several years, from applying any real pressure to Alliance. Other companies, feeding effluent to the same stream, have had pressure applied. A.D.M. Chemlime, Celanese and, to some extent, Refer Smelting, have had to make some changes in their effluent discharges. Alliance built an acid pond. It is very difficult, however, to mask our continuous "red color" water that comes from our plant.

Sun Chemical has purchased the property adjacent to Alliance and the dumps behind Alliance and, from what I understand, plan to build a phthalocyanine blue unit.

- 3. I recommend the formation of:
 - 3.1 In-plant pollution control committee. \ henced
 - 3.2 Flow measurement information by the use of a Weir.
 - 3.3 Samplings of waste water to provide needed information.
 - 3.4 Prepare a study of the best system for waste water neutralization from current information, keeping in mind Sun Chemical's expansion plans and our final goal of connecting into
 industrial sewers and becoming isolated from flooding of the
 drainage ditch.

I suggest that we start action now toward a complete plant effluent neutralization system that will ultimately connect into the city industrial sewerage. An immediate temporary neutralization system should

be contemplated or provided to plant effluent now feeding the stream to preclude any confrontations with pollution authorities. It is my feeling that our effluent will be under scrutiny as soon as the Urban Renewal Project gets under way and a new tide gate is constructed. Also, we could be the subject of repercussion if and when American Refining litigation begins.



January 20, 1966

F. R. Ulrich, Major, Military Police Corps Assistant Supervisor of New York Harbor Corps of Engineers, U. S. Army 111 East 16th Street New York, New York 10003

Dear Major Ulricht

Reference: NANSL - Case No. 65-294

This will acknowledge your letter of 11 January 1966 and provide you with a remedy report. We appreciate your bringing this situation to our attention, and want you to know that both your investigations did, in fact, receive our careful and complete attention.

The June 1965 event was traced to a leak in a pit wall. Normal subsequent repair work failed to convince us that we had effected a long-term repair, and so to fully remedy this situation, a new enlarged acid collection system has been constructed and is now in service. We would not expect any repetition of the 28 June 1965 events.

The acidic materials disclosed in your December 1965 inspection were traced to a malfunctioning collection pump. This was restored to service promptly. New inspection and maintenance schedules were instituted and careful follow-up has indicated that the collection system is performing satisfactorily.

CAM IN CAM IN NOTE WELL

We welcome a re-inspection and look forward to your inspector's next visit, so that we may show him our facility properly operating.

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......continued......

P. R. Ulrich, Major, Military Police Corps Corps of Engineers, U. S. Army

Fage 2 January 20, 1966

Meantime, Major Ulrich, please be assured that you and your department will have our fullest cooperation and know that we understand the need to prevent pollution of New York Hanbor waters.

Sincerely,

ALLIANCE COLOR AND CHEMICAL CO.

Frank W. May General Manager

FWMIGO

CORPS OF ENGINEERS, U. S. ARMY SUPERVISOR OF NEW YORK HARBOR

111 EAST 16TH STREET NEW YORK, N. Y. 10003

IN REPLY REFER TO

NANSL Case No. 65-294 11 January 1966

Alliance Color & Chemical Company 33 Avenue P Newark, New Jersey

Gentlemen:

The Supervisor of New York Harbor is charged by the Congress of the United States with the responsibility of preventing obstruction or pollution of the navigable waters of New York Harbor or its tributaries.

On several occasions, commencing on 26 June 1965, and subsequent to that date, a discoloration has been observed in the tidal waters of Newark Bay adjacent to the Archer Daniels Midland Company's bulkhead located at 400 Doremus Avenue, Newark, New Jersey. Samples of the discolored tidal waters were obtained on each occasion and when tested disclosed they contained an acidic content with a pH factor in excess of allowable tolerance. Investigations disclosed that the materials, classified as a pollutant and a contravention of Federal Statutes (U.S.C. Title 33, Section 407), were discharging from a flume in the bulkhead of aforementioned property. The flume was covered by a flapper type covering which operated on an inshore to outfall velocity flow pressure principle. Continuation of the investigation disclosed that at least a portion of the pollutant originated at your facility and had been deposited into an earthen ditch, maintained as a mosquito control ditch by the Essex County Mosquito Extermination Commission, which traverses various other company owned properties and deposits its contents into aforementioned NANSL Case No. 65-294 Alliance Color & Chemical Co. 11 January 1966

flume. Samples obtained on 28 June 1965 from your plant facilities and immediately adjacent thereto, were analysed by the United States Customs Laboratory. The analysis report received indicates compatability as to content between the materials found in the tidal waters of Newark Bay and those stored and discharged from your facilities.

During our most recent inspection, conducted on 7 December 1965, acidic liquefied materials were again detected being deposited from the same flume into Newark Bay. Samples obtained from the terminus of the flume, at various locales along the mosquito control ditch and in the immediate vicinity of your plant facilities, when tested, all recorded a high acidic content. While inspecting the area three clay pipes, discharging liquid, were observed on your property. Samples of discharge from each each of these pipes were obtained and when tested disclosed they all contained a prohibited acidic content.

Under the provisions of Federal Statutes (U.S.C. Title 33, Section 407), it is unlawful to deposit, or cause, or permit to be deposited, material of any kind in any place where the material shall be liable to be carried to and deposited in any navigable water of the United States. Violators of this Statute are liable to prosecution.

Mr. Charles P. Motta, your Plant Superintendent, was contacted on 28 June and 7 December 1965 and informed of the violations herein cited.

Immediate steps should be taken to insure no prohibited materials, of any kind, are deposited at any place, where such materials may be deposited in Newark Bay.

NANSL

11 January 1966

Case No. 65-294
Alliance Color & Chemical Co.

A reinspection will be conducted to insure compliance with cited Federal Statute.

Very truly yours,

F. R. ULRICH

Major, Military Police Corps Assistant Supervisor of

New York Harbor